



OFNA Racing
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www.ofna.com

RTR Instruction

Manual

PURE COMPETITION.....

**LIMITED EDITION
OFNA/PICCO .21
& BLUE BLAZER
RADIO
WITH
SERIALIZED CHASSIS**



Ready-To-Race



PRE-ASSEMBLED
ASSEMBLED CHASSIS WITH RADIO AND ENGINE

REQUIRED FOR OPERATION

THINGS NEEDED

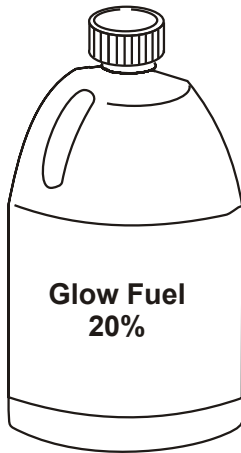
You will need to buy a few items to start the engine and run the car.

- Use 20% nitro CAR fuel. Do not use airplane fuels, they will over heat engine.

- Buy long glow plugs, like OFNA/PICCO P-7 (#51007). Use plugs without idle bar. Do NOT buy hot plugs, like the MC-59.

In your box you will find..

- #10218 - Red "C" size glow heater



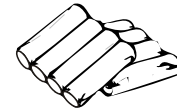
#10211 Battery Pack 1000 NiMH 5cell, flat..... \$29.95

#10214 Battery Charger, Overnite \$7.95



You need to get batteries for the radio transmitter and the car receiver packs.

- Radio TX needs (8) eight AA batteries
- Car needs (4) four AA batteries.

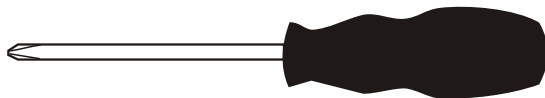


AA Batteries (12 pcs)

Recommendation:

You may want to upgrade the car battery pack to a Ni-Mh 5 cell Flat type. This will give more run time.

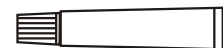
TOOLS NOT INCLUDED IN KIT



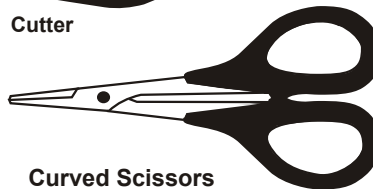
Phillips Type Screw Drivers (L)



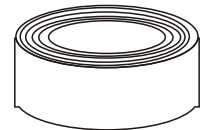
Cutter



Instant Cement



Curved Scissors



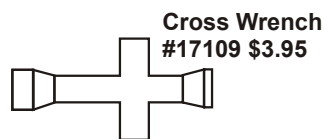
Masking Tape



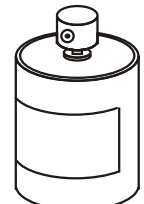
Phillips Type Screw Drivers (S)



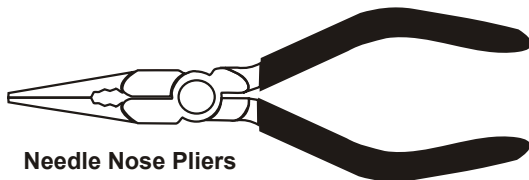
Brush



Cross Wrench
#17109 \$3.95



Paints



Needle Nose Pliers



Knife



Glow Plug & 17MM Cross Wrench
#10801 \$6.95

READ THIS BEFORE RUNNING

Running a nitro kit is fun and easy, but to make this a safe and good experience you must observe a few rules. This kit is extremely fast, easily over 40MPH, and can seriously injure someone if you are not careful.

Where to run car?

- Any running area you choose must be dry. Do not run car near any water or wet dirt.
- Do not run on public streets. It is very easy to have the car run over or damaged by hitting the curb.
- Do not operate car in tight confined places. The car is very fast and will easily hit something.
- Do not run near people or animals. The car is very fast and will too easily hit someone.
 - Due noise, you will want to consider the surrounding area when operating the car.
- Do not operate the car at night. You will not be able to drive it without hitting something.
- Do not operate the car indoors. Engine exhaust is not healthy.

Glow Fuel

- Glow fuel is poisonous!
- Glow fuel is flammable!
- Do not leave in fuel bottle with lid off at any time.
- Don use any fuel other than glow fuel in this engine.

First Time Starting the Engine

Caution! When starting engine make sure the following is observed.

- Oil the air filter FOAM Element! OFNA #10015.. \$9.95
- Set engine Master needle to 4 turns (rich setting)
- Do not do this alone, get an experienced friend to help at first.
- Fill fuel tank, try not to spill fuel. Do not spill fuel on receiver
- Hold car off the ground, so it will not runaway when first starts
- Turn on Radio and check the linkage before starting engine.
- Turn on car receiver battery switch.
- Always have an air filter on the carburetor to keep dirt out.

Engine Break-in

- See Engine Page.

Emergency Stopping Engine When Running

- Remove air filter and cover carb. intake.
- Squeeze fuel line and hold until engine stops.
- With a rag, cover exhaust outlet.

Storing Car After Running

- Remove fuel from tank and fuel lines
- Turn off radio in car
- Put a few drops of after run in engine to keep it from rusting.

- Clear oil and dirt from chassis with a degreaser.

Precautions

- This kit is not a toy. Always run car with a second person as a spotter and pitman.
- Hot Parts - The pipe, manifold, engine and head are very hot and will cause burns.
- Rotating Parts - Keep hands away from the drive train, wheels, and engine when engine is running.
- Radio - Check batteries life before running the car. If radio does not have full control of the car with steering and/or throttle/brake do not run until corrected. Failure to correct this will result in possible injury and damage to the car or property.
- Glow fuel - Do leave the glow fuel unattended with the lid off. Fuel contains Methanol and Nitro Methane and is flammable and poisonous.

Store fuel in cool ventilated location. Refer the glow fuel label for additional precautions.

- Car Fuel tank - Never store fuel in car tank, it will ruin the engine if left in tank.

IF YOU DO NOT BREAK-IN ENGINE CORRECTLY, MAINLY AT LOW RPM, YOU WILL BREAK THE CONNECTING ROD!

FAILURE TO NOT READ AND FOLLOW BREAK-IN ENGINE INSTRUCTIONS WILL VOID WARRANTY!

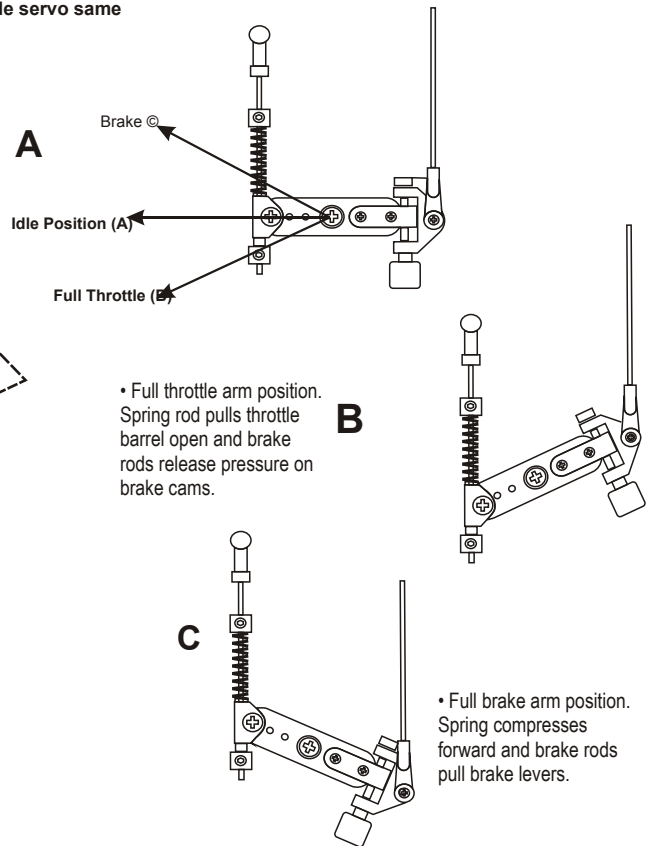
CHECKING ENGINE THROTTLE

* Align throttle servo same as shown.

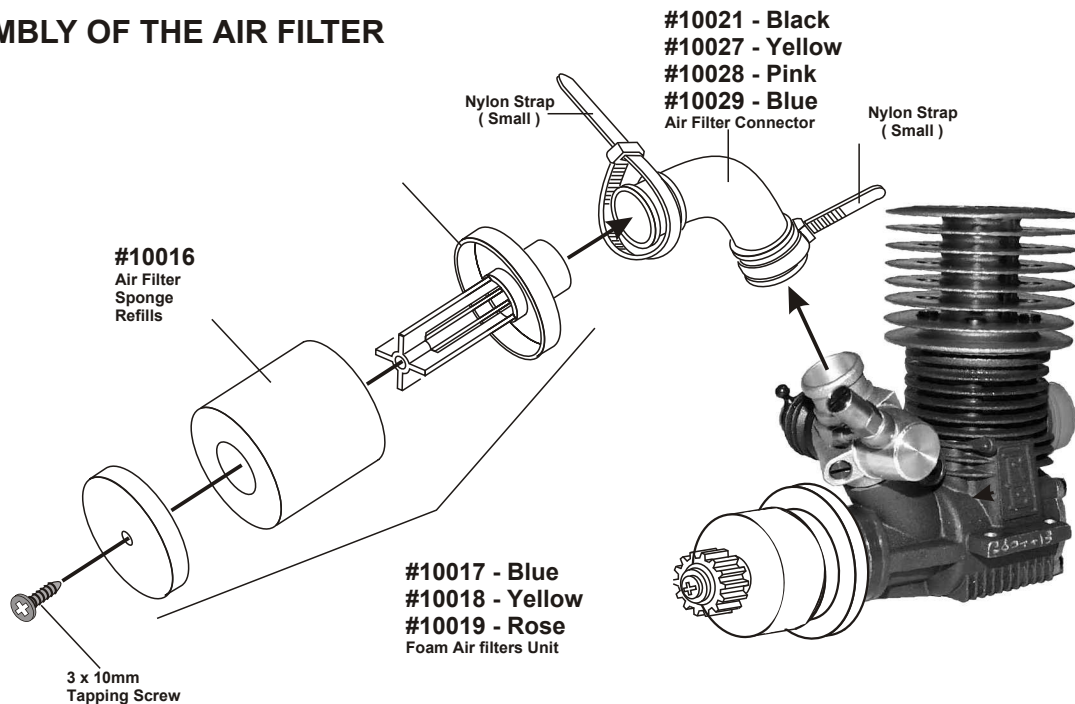
A	B	C
<ol style="list-style-type: none"> 1. Insert AA batteries into transmitter (8 Pcs). 2. Turn on transmitter. 3. Turn on receiver. 4. Center throttle trims as shown. 	<ol style="list-style-type: none"> 1. Pull Full Throttle. 	<ol style="list-style-type: none"> 1. Push trigger to full brake position. 2. Adjust alum. Stopper to increase or decrease the brake.

IMPORTANT
CHECK RADIO THROTTLE
AND STEERING SWITCHES
BEFORE RUNNING CAR

* Insert into transmitter.



ASSEMBLY OF THE AIR FILTER



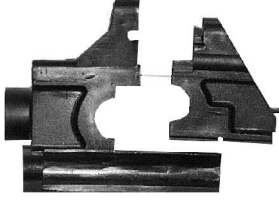
#10015, Foam
Filter oil, Very
Sticky....\$9.95

**You must oil foam filter before use.
Filter will not work if not oiled.**

**Clean with soap and water only.
You will damage foam if washed
if fuel!**

PLASTIC PARTS USED

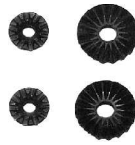
#30010
Main Gear Box



#30751 - Frt & Rr Cases
#30761 - Center Case
(K type cases)



#30769 Bevel Gear
Set, for K type case.



#30200 Center Diff Mounts



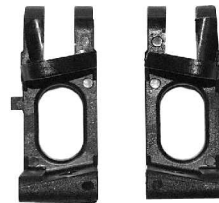
#36020 Upper
Arm, Krt (K)



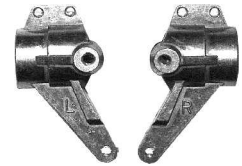
#36902 Lower arm, Rear (K), Straight type



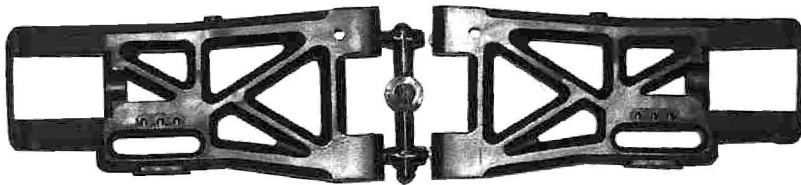
#36060 C Hubs (K)



#36051 Knuckles, 8mm
(K)



#36011 lower arm, Front (K), Straight type



#36081 Rear Uprights
8mm (K & M)



#36710 Rear Support
bracket



#36690 Rear Upper Arm Ball
Ends 7mm



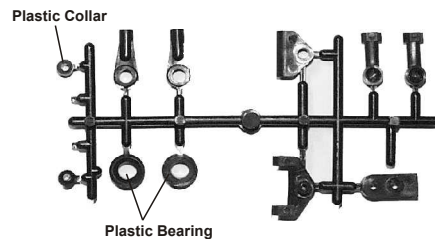
#36700 Steering Ball Ends, 7mm



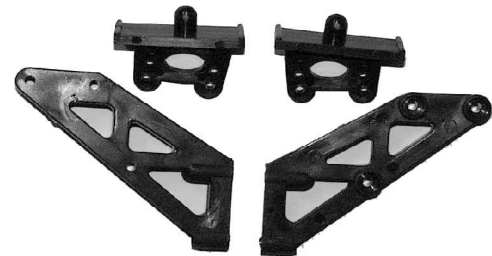
#36740 Servo Saver set



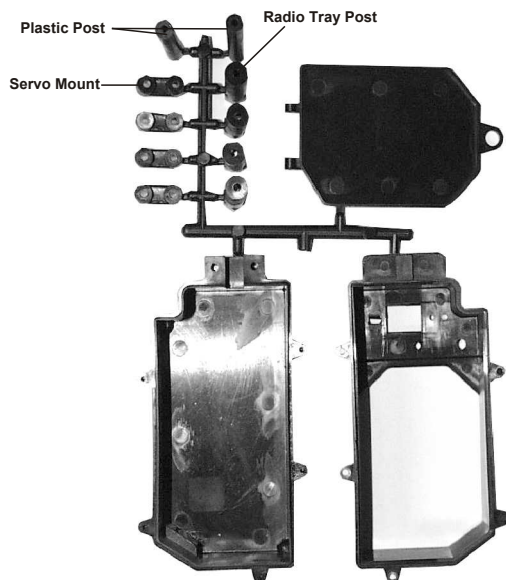
#30800 Linkage, throttle kit



#30270 Rear Wing Support set



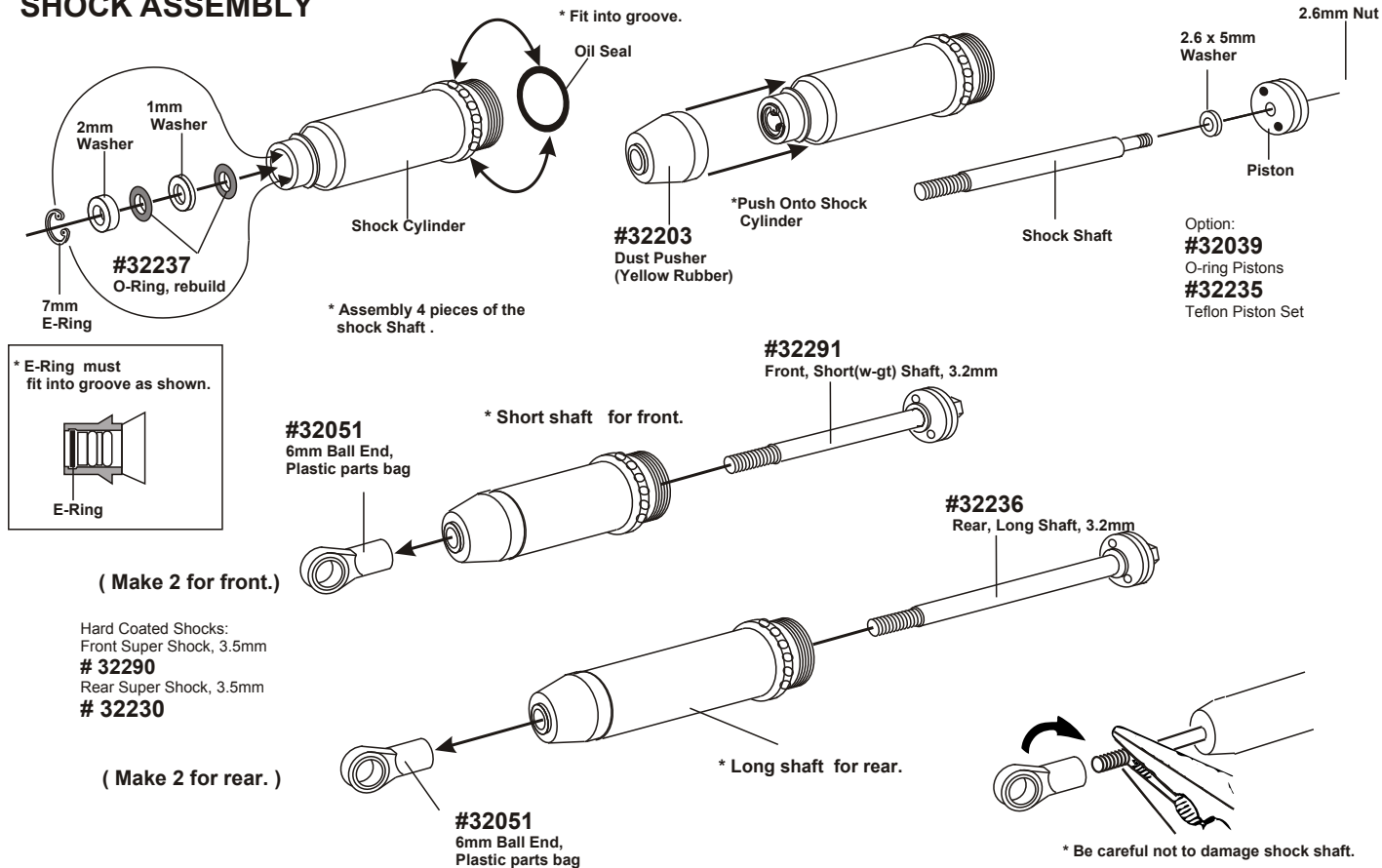
#36780 Battery & Receiver Box



#36820 Chassis Stone Guards

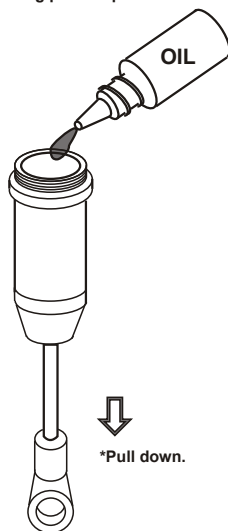


SHOCK ASSEMBLY

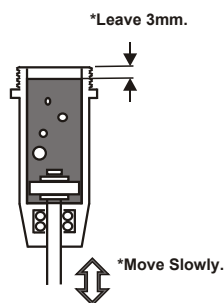


FILLING THE SHOCKS WITH OIL

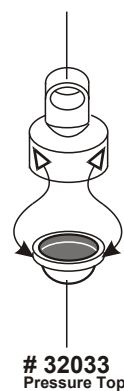
1. Pull down piston and pour oil into shock cylinder. Remove air bubbles by slowly moving piston up and down.



2. Pull down piston, attach pressure top and shock oil overflow with tissue paper.

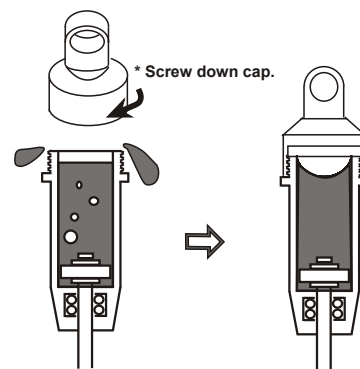


#32044
Shock Cap, Hard Coated



* Fit into groove.

3. Tighten up shock cap.

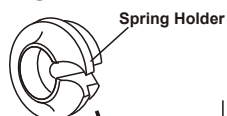


ASSEMBLY OF THE SPRING

#32051
All Plastic shock
parts bag

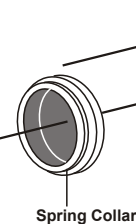
#37380
6mm
Ball Joint

* Push 6mm ball joint
into ball end.



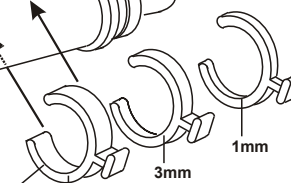
Optional:
#32330
Red Spring set
#32340
Yellow Spring Set

* Slide spring collar into Shock.



#32204
Spring Spacer Clips Set

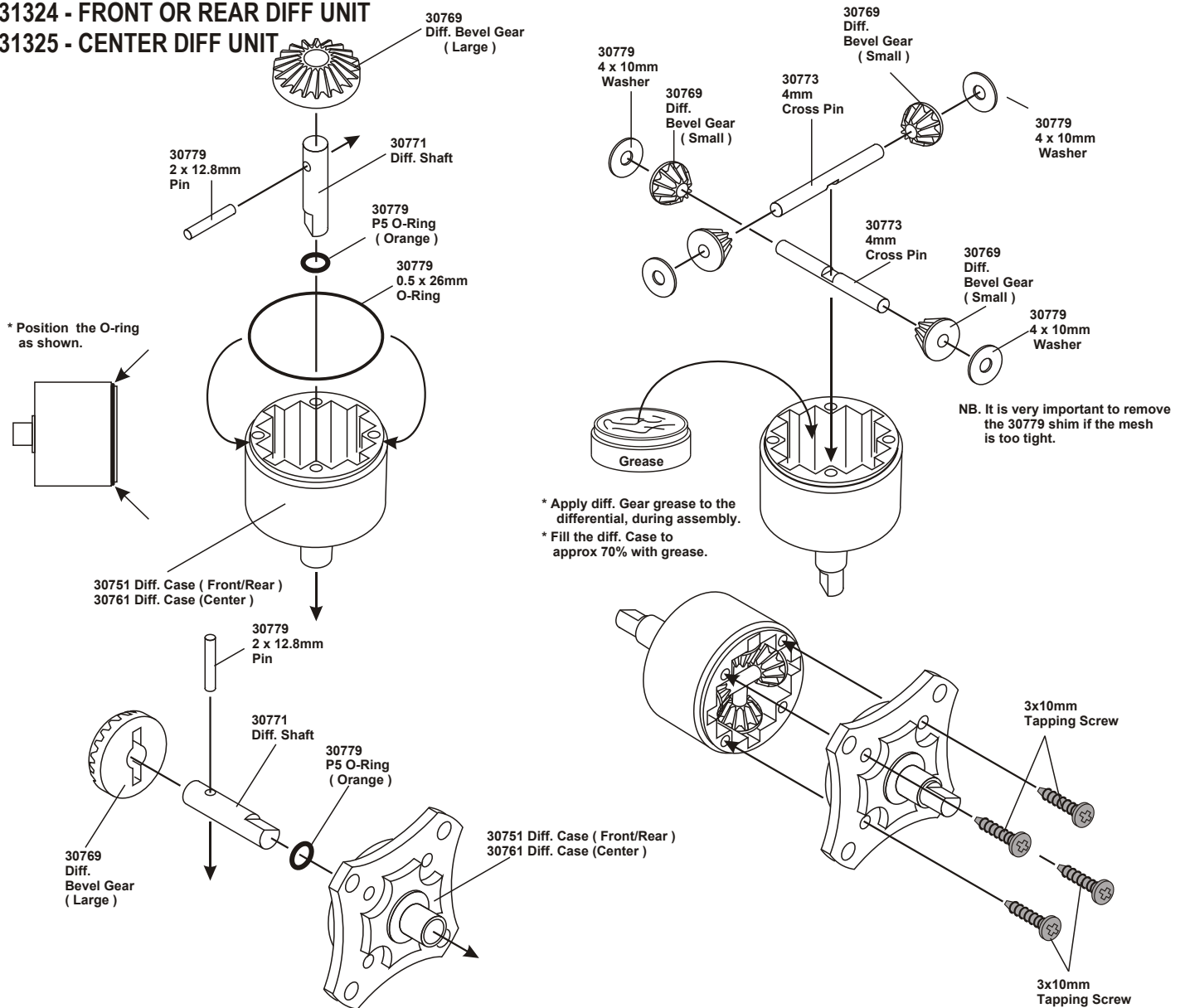
* Spring Tension adjuster.



ASSEMBLY OF NEW "K" STYLE DIFFERENTIAL CASE AND GEARS

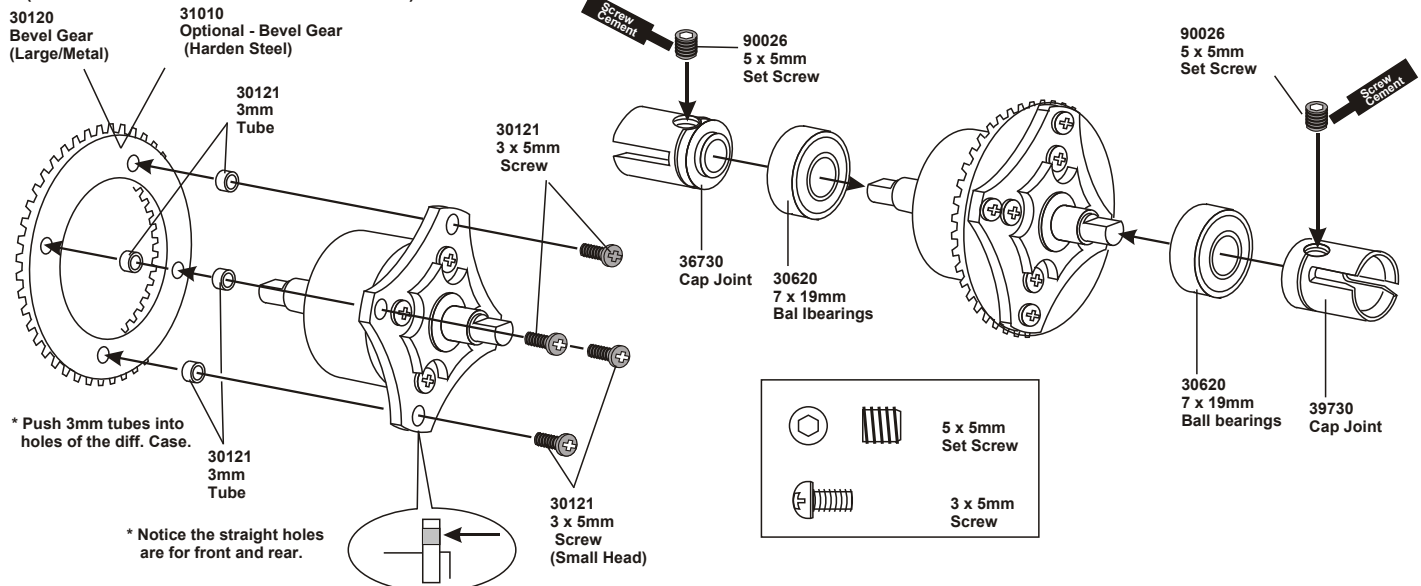
#31324 - FRONT OR REAR DIFF UNIT

#31325 - CENTER DIFF UNIT

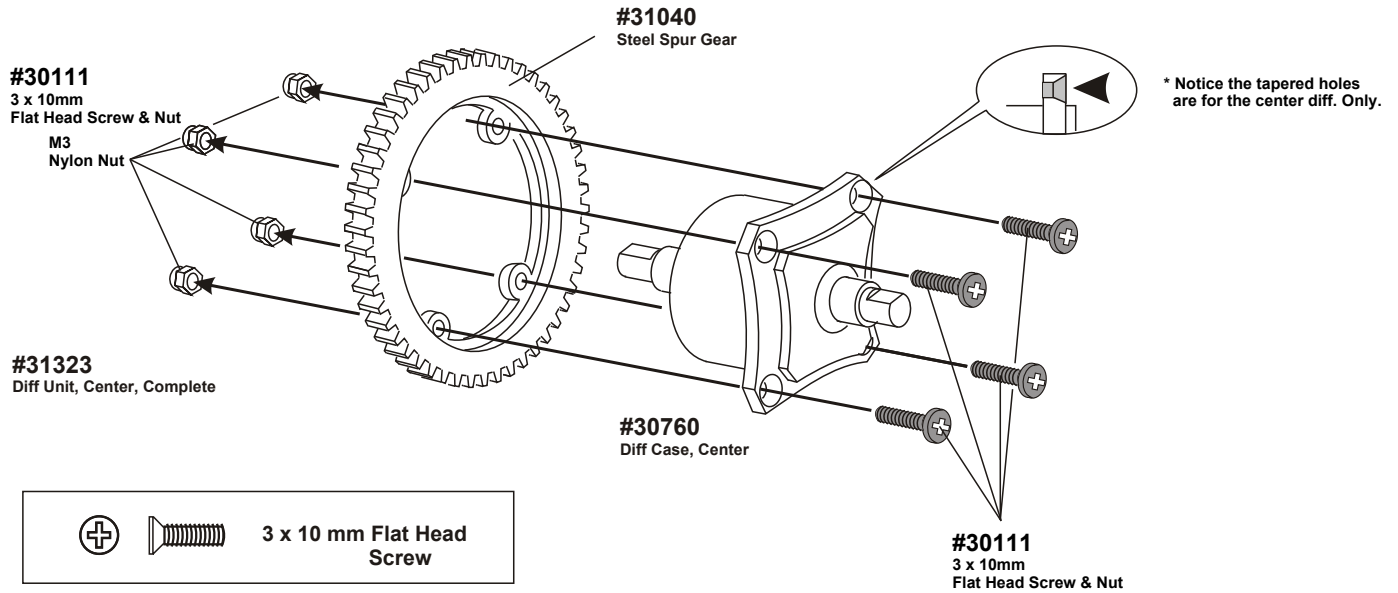


ASSEMBLY OF THE BEVEL GEAR

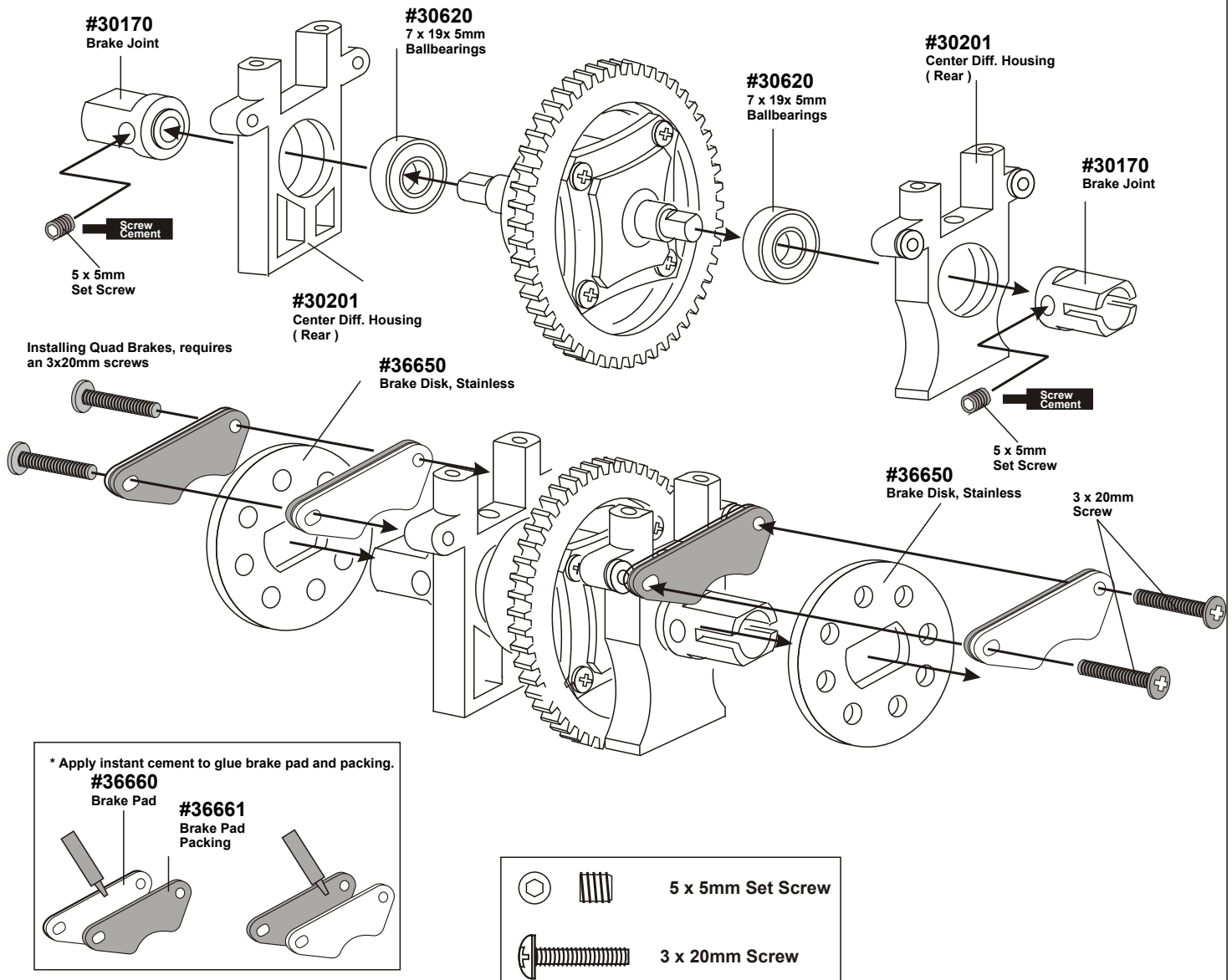
(Builds two differentials for front and rear.)



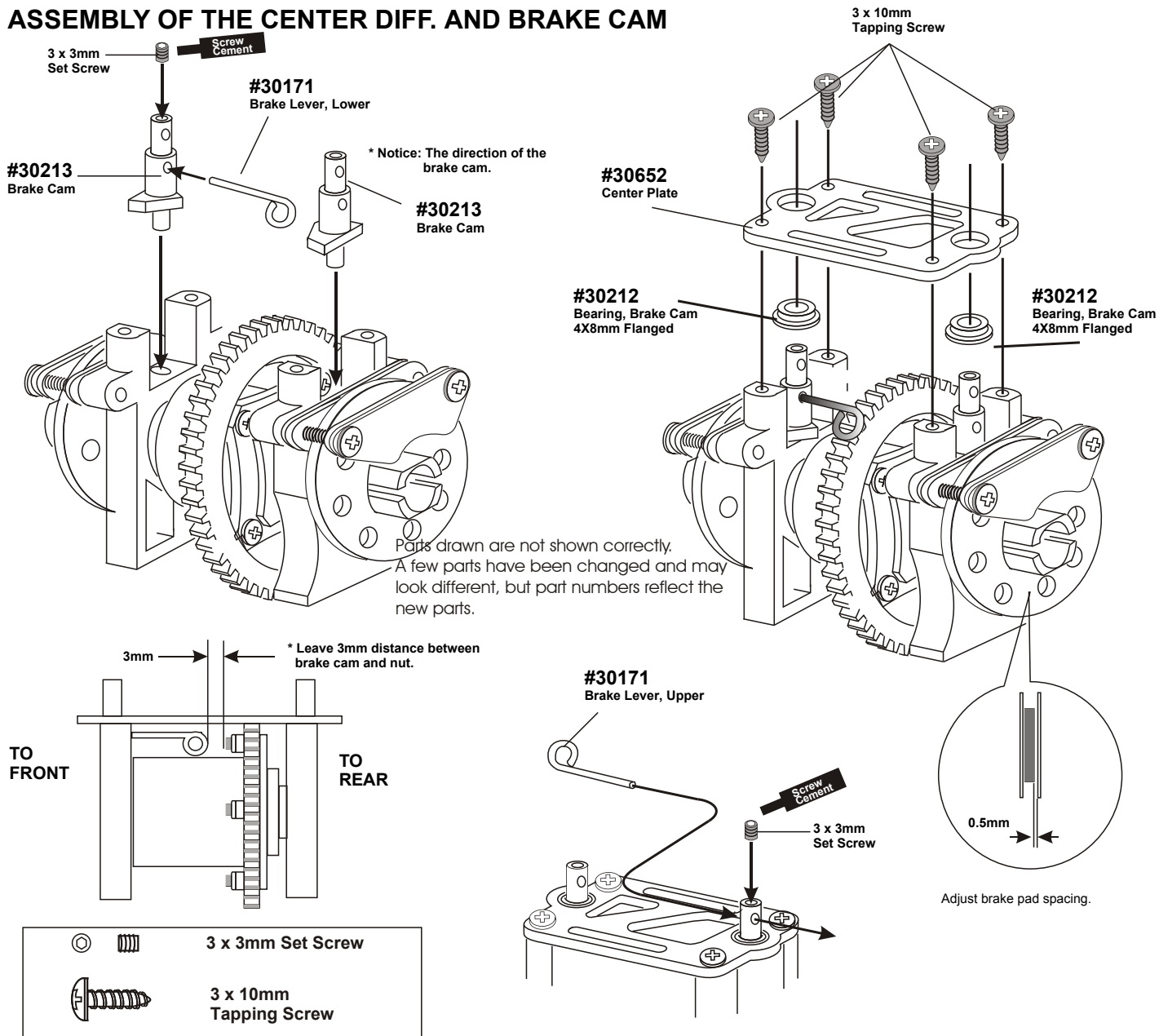
ASSEMBLY OF THE SPUR GEAR



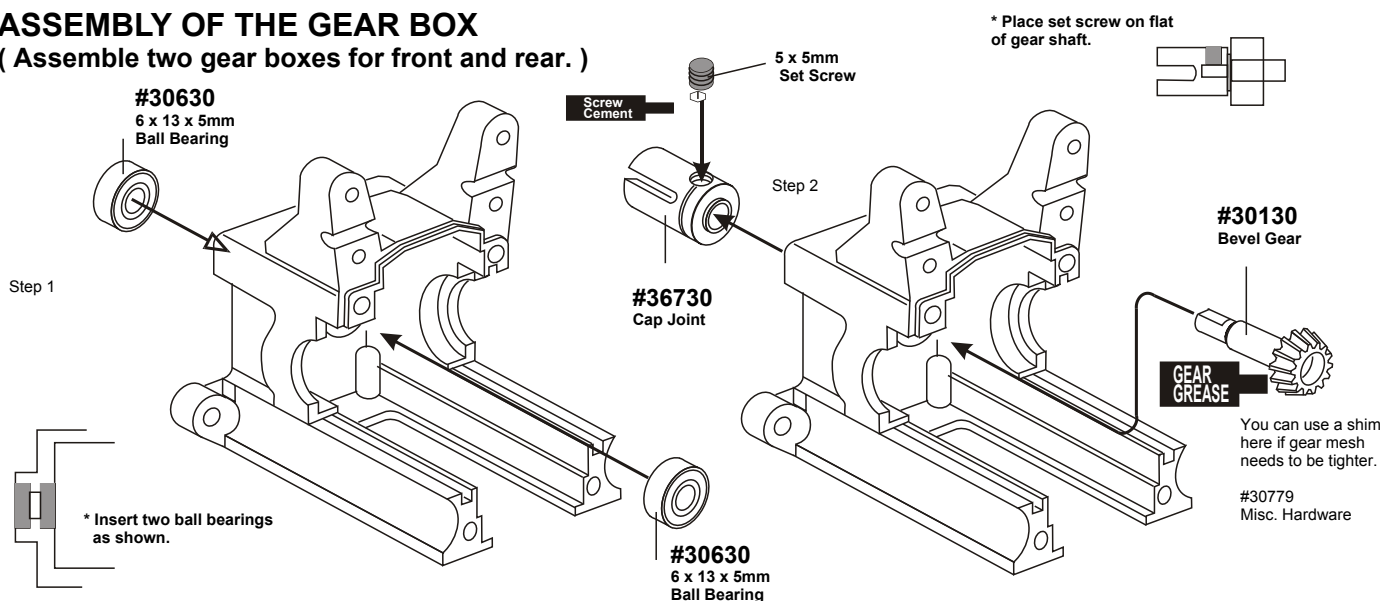
ASSEMBLY OF THE CENTER DIFF. MOUNT U.S. Revision has Quad Brakes

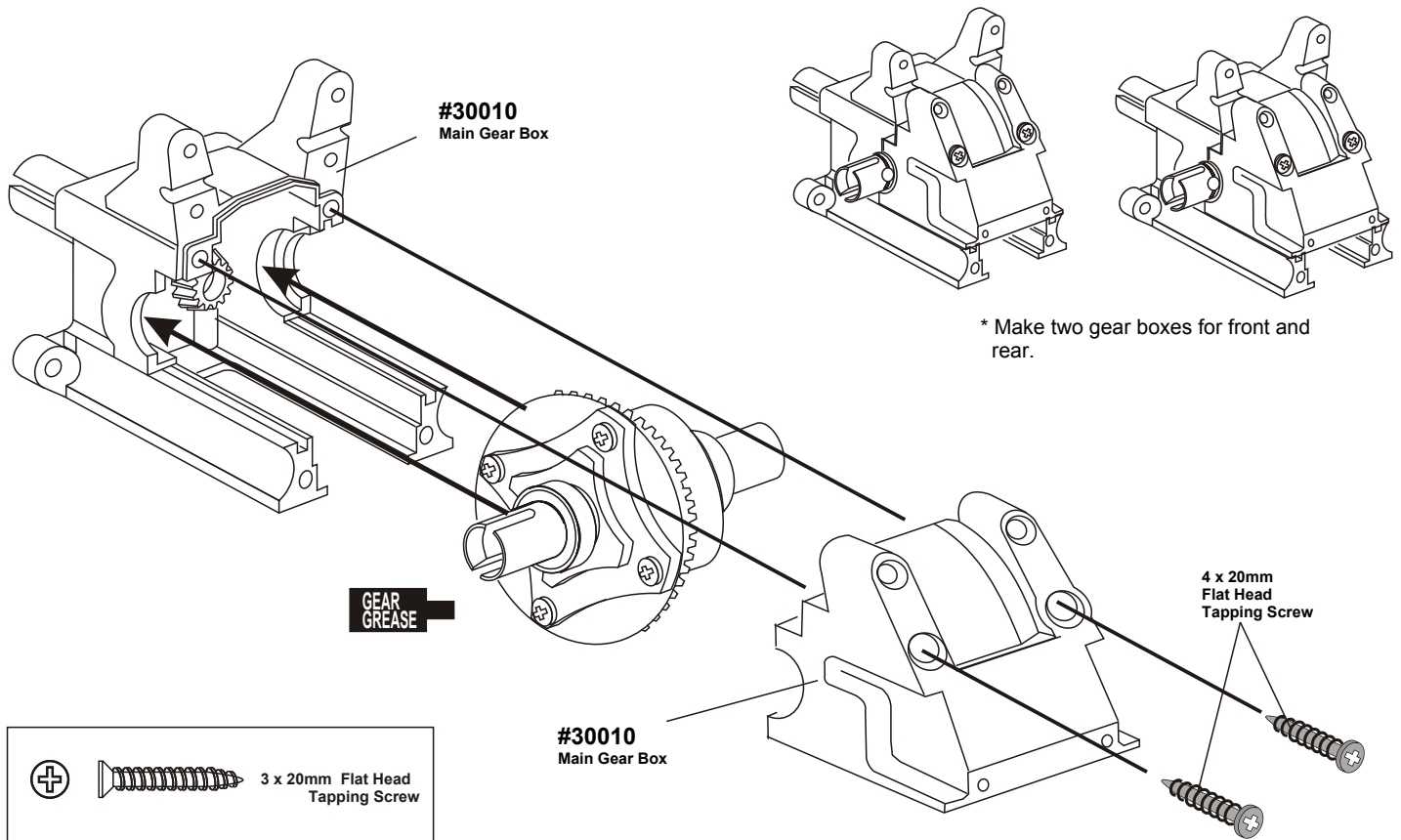


ASSEMBLY OF THE CENTER DIFF. AND BRAKE CAM

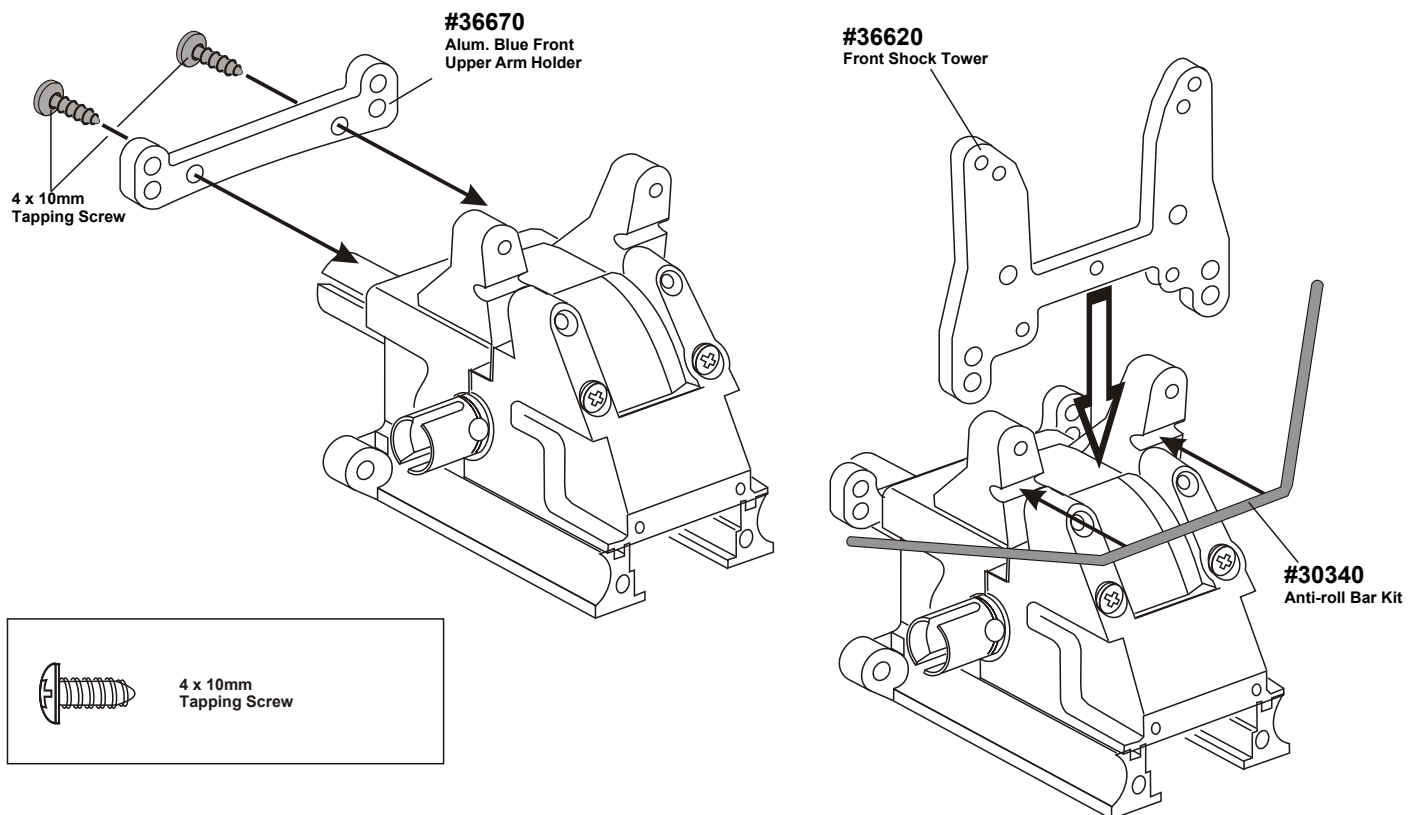


ASSEMBLY OF THE GEAR BOX (Assemble two gear boxes for front and rear.)





ASSEMBLY OF THE FRONT SHOCK TOWER



ASSEMBLY OF PIVOT BALL TYPE (M STYLE) SUSPENSION

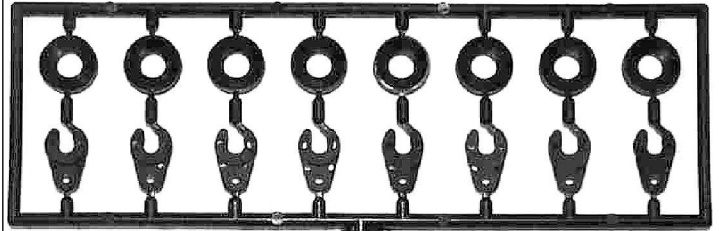
#36903
13.8mm Steering Ball x 4



#36904
14mm Alum. Nut x 4



#36905
Plastic Washer & Arm Adjusters



#36901
Ball Type Knuckle Arm



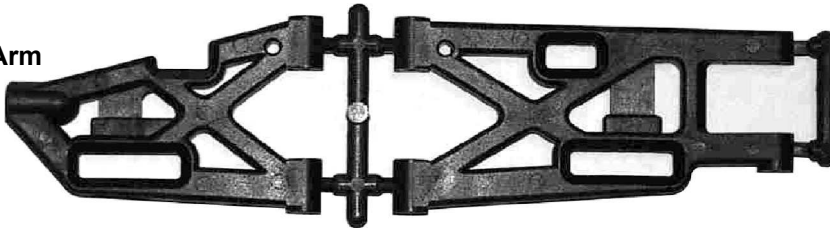
(Right)

(Left)

#36900
Front Upper Arm



#36890
Front Lower Arm



#36902
Rear Lower Arm

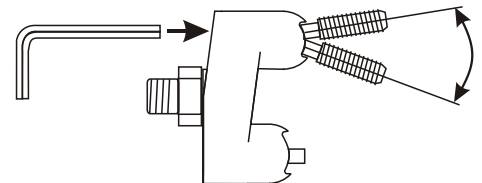
ASSEMBLY OF THE FRONT SUSPENSION ARMS, M STYLE

Step 1

#36901
Ball Type
Knuckle Arm
(Right and Left)

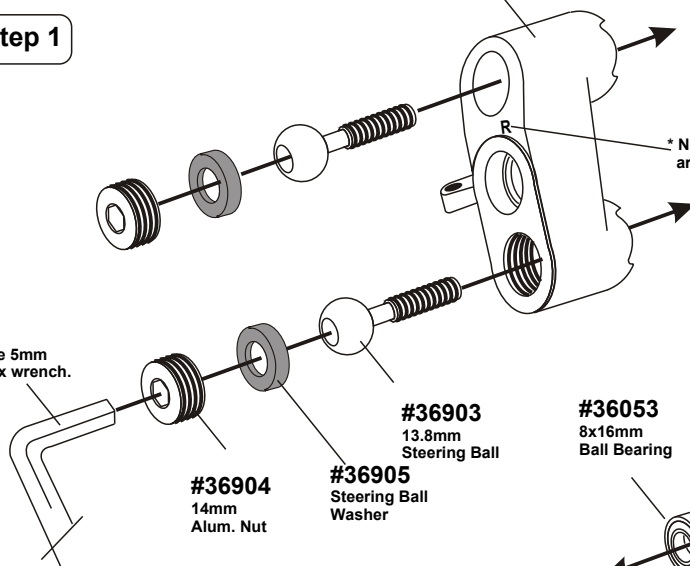
Assembly of the right and left hand side are the same.

* Adjust alum. Nut to keep steering ball smooth.



* Note the "R" mark are for rightside.

* Use 5mm hex wrench.



#36904
14mm
Alum. Nut

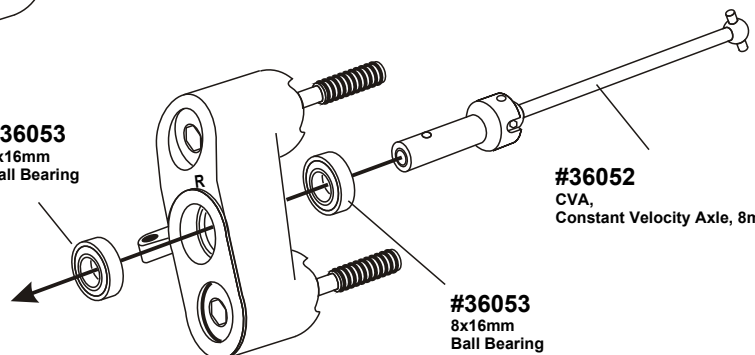
#36905
Steering Ball
Washer

#36903
13.8mm
Steering Ball

#36053
8x16mm
Ball Bearing

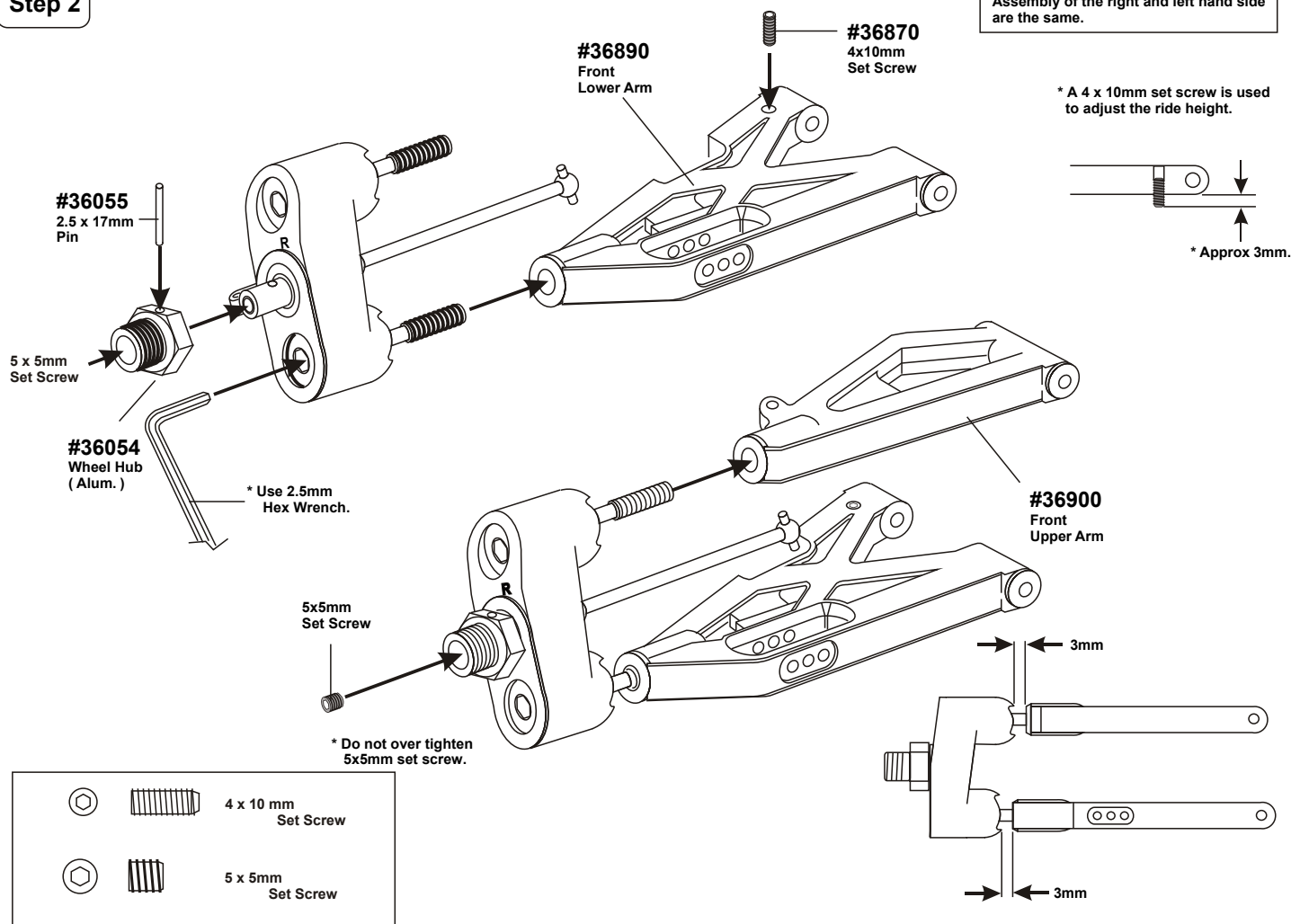
#36052
CVA,
Constant Velocity Axle, 8mm

#36053
8x16mm
Ball Bearing



ASSEMBLY OF THE FRONT SUSPENSION ARMS, M STYLE

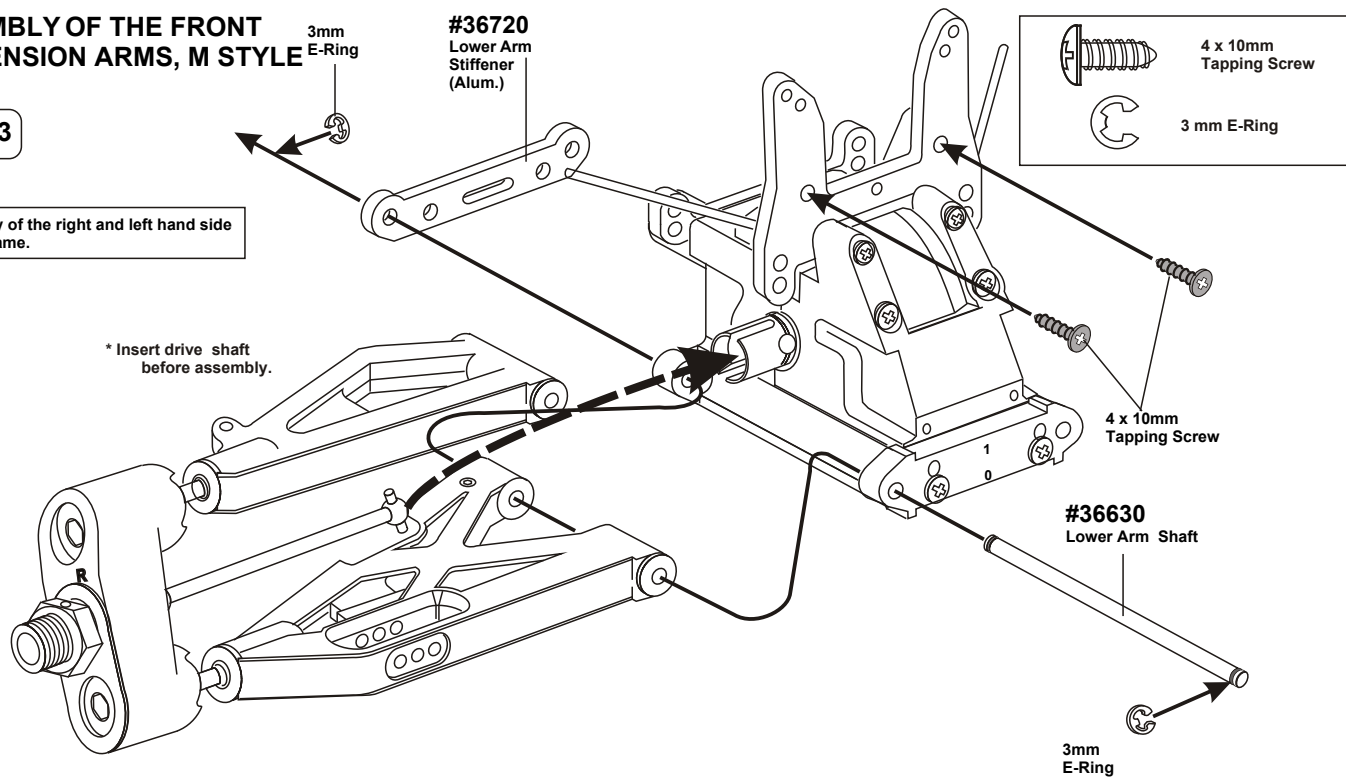
Step 2



ASSEMBLY OF THE FRONT SUSPENSION ARMS, M STYLE

Step 3

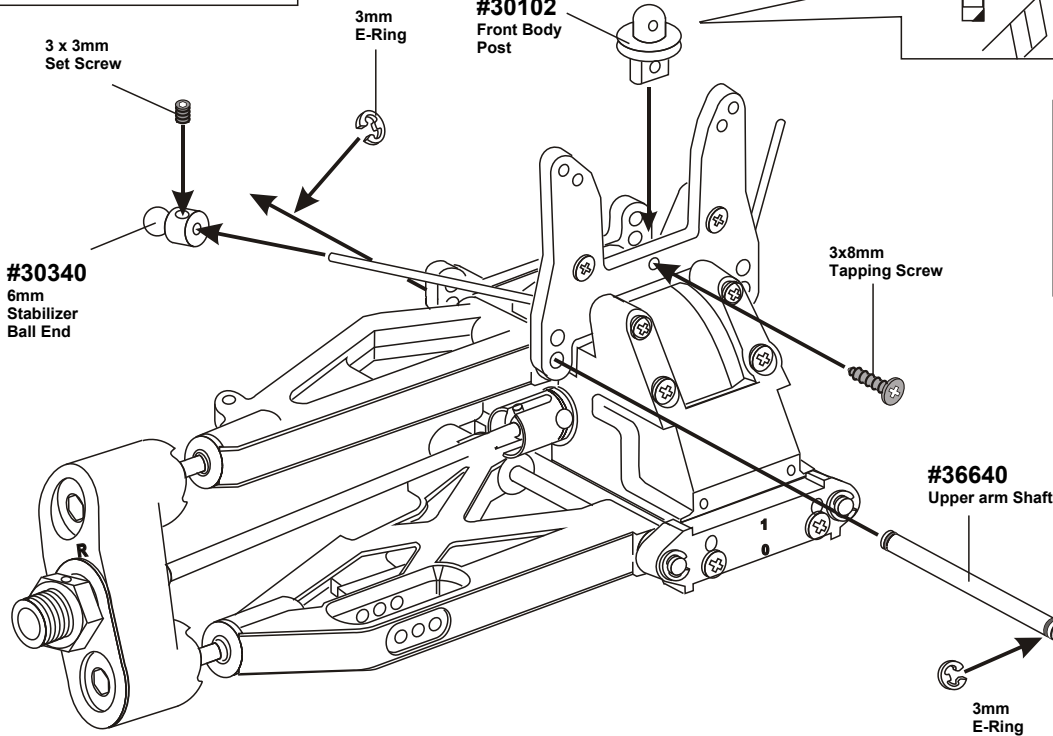
Assembly of the right and left hand side are the same.



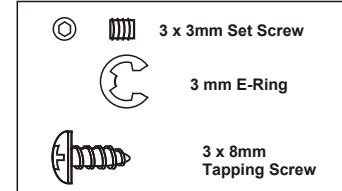
Step 4

ASSEMBLY OF THE FRONT SUSPENSION ARMS, M STYLE

Assembly of the right and left hand side are the same.

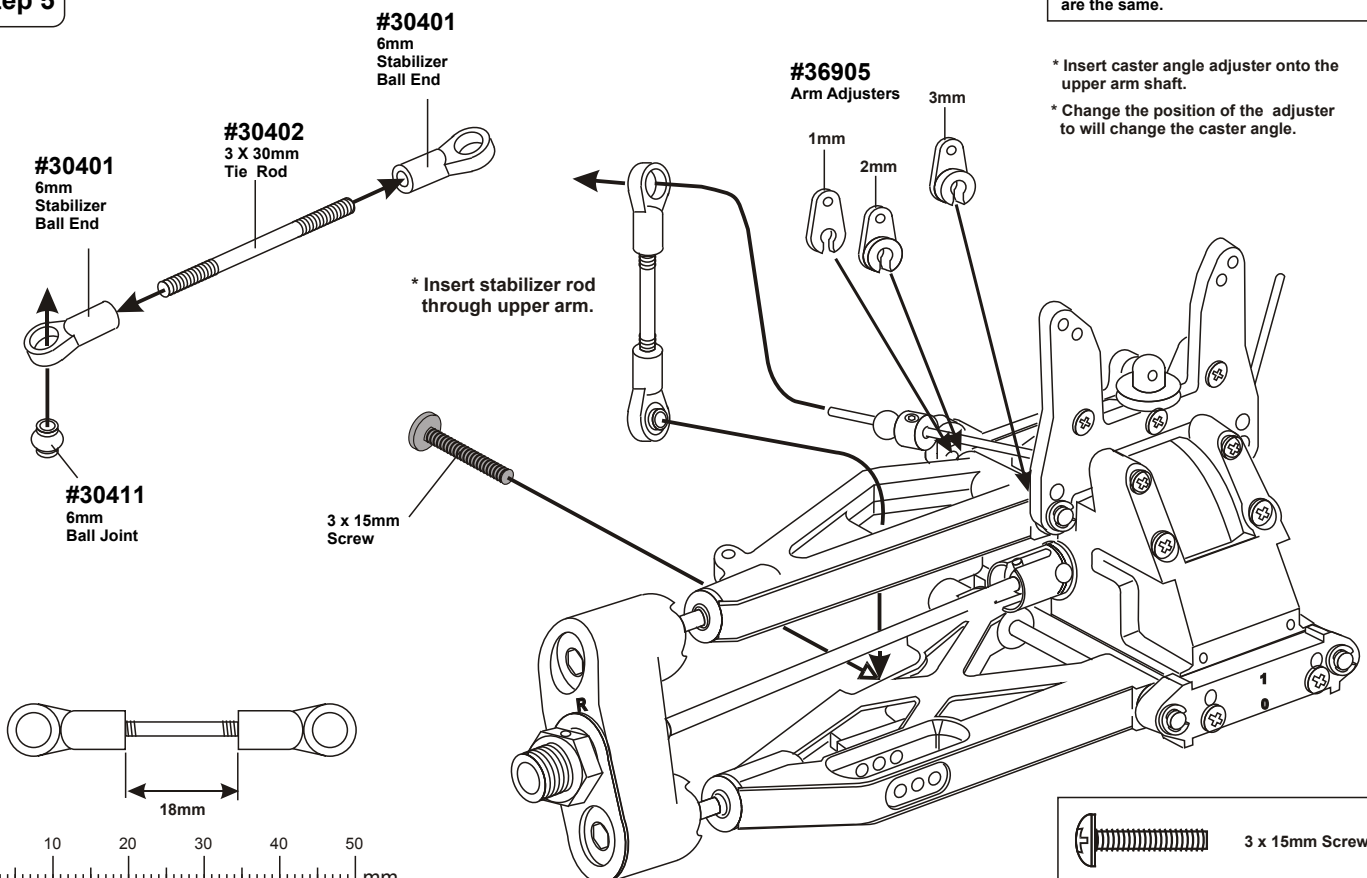


* Cut the sharded area as shown.



Step 5

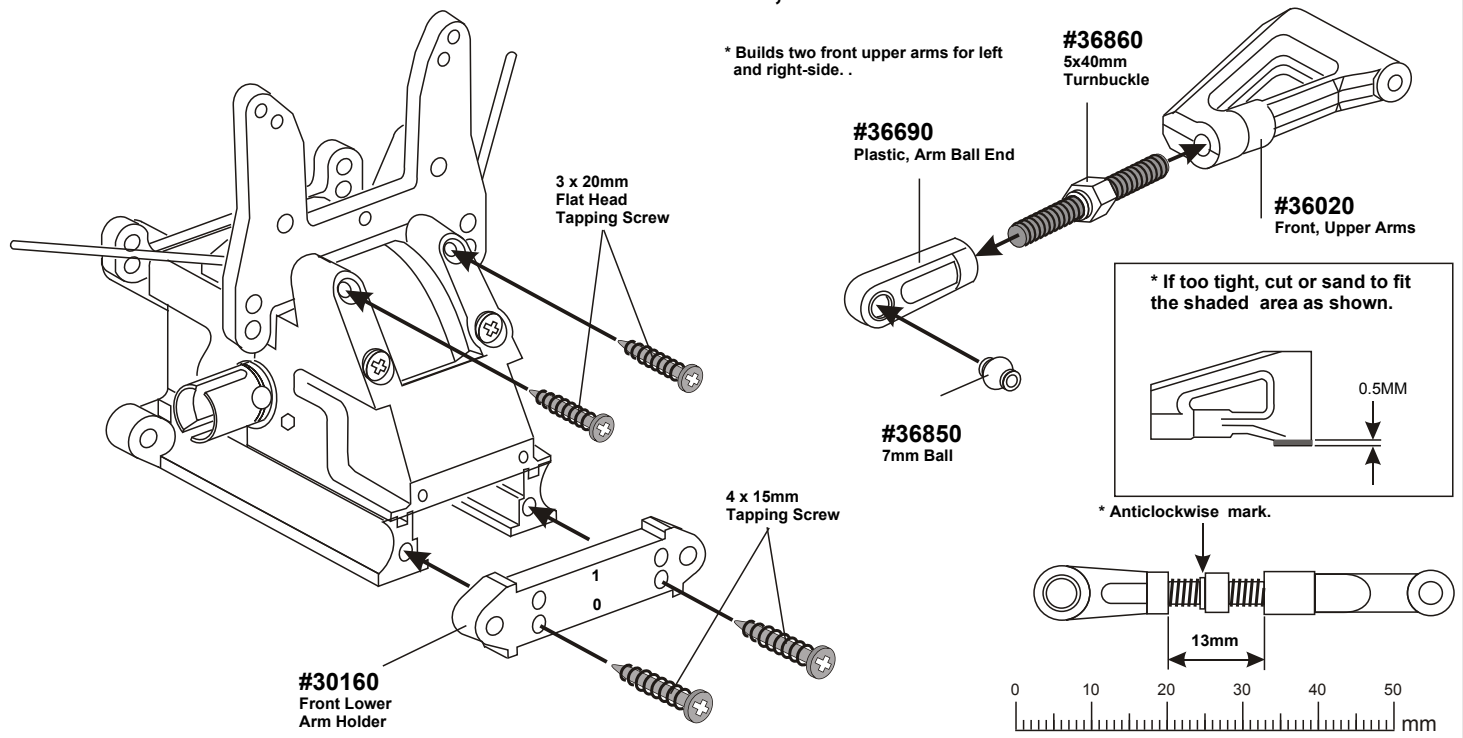
Assembly of the right and left hand side are the same.



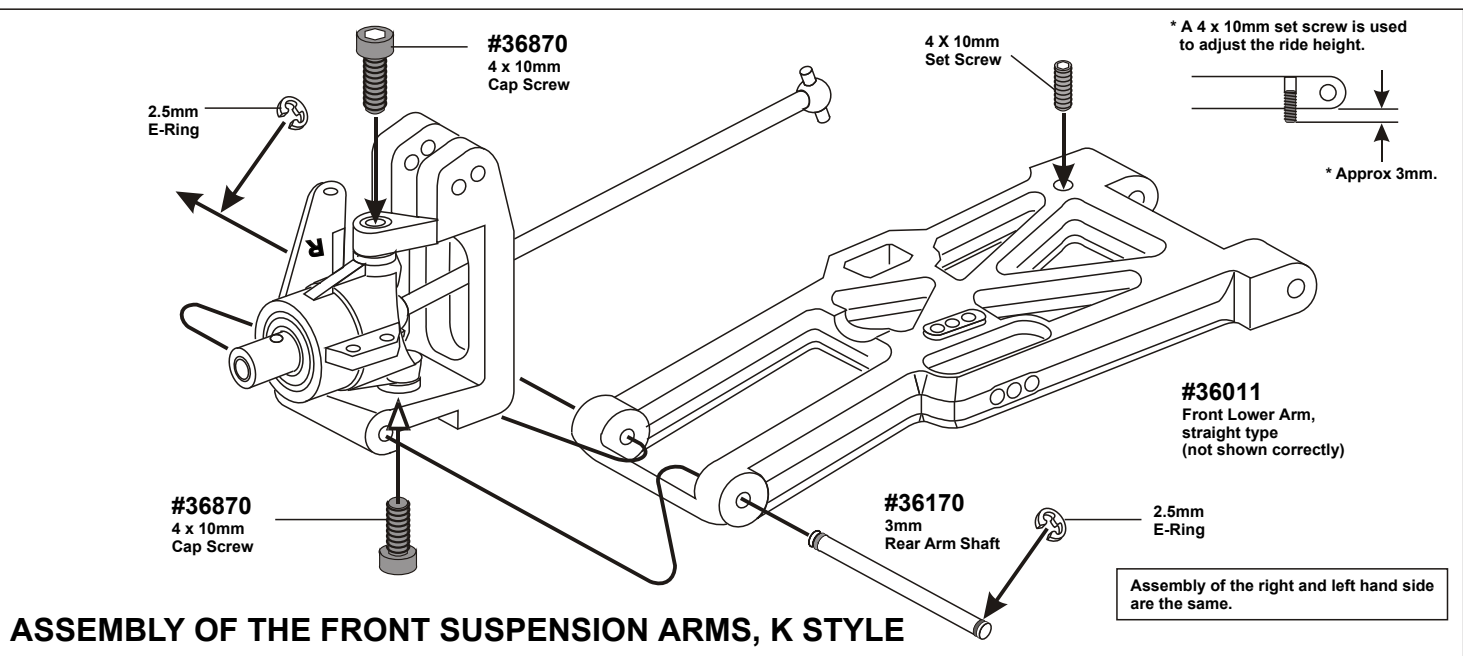
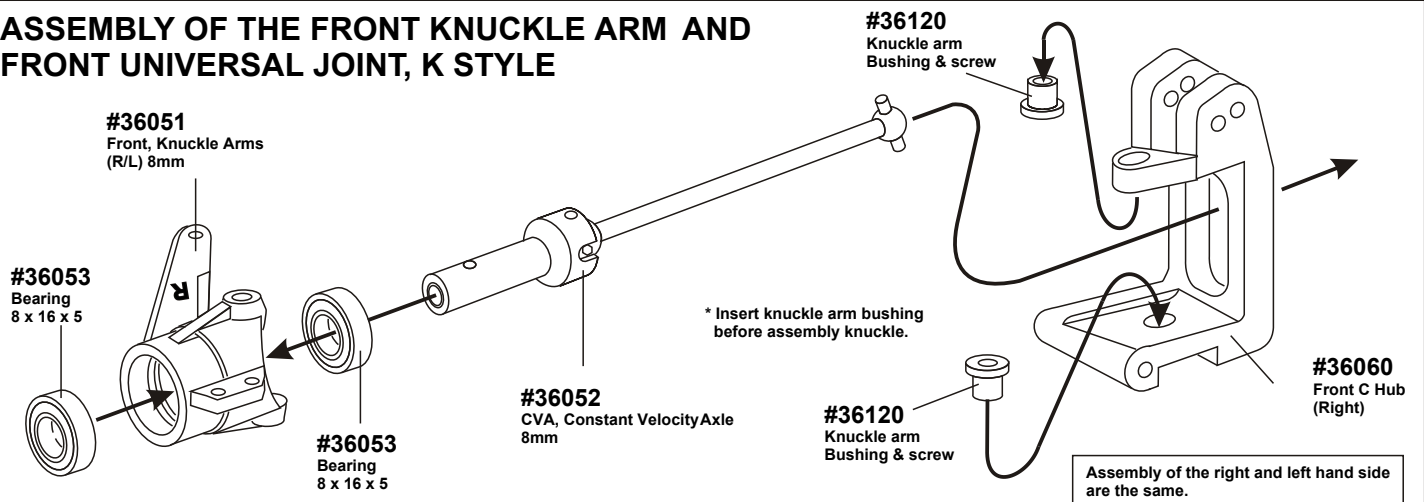
ASSEMBLY OF THE REAR SUSPENSION ARMS, M STYLE

* Follow the main instruction manual to assembly the rear lower arm M parts instead of K parts.

ASSEMBLY OF THE FRONT SUSPENSION ARMS, K STYLE



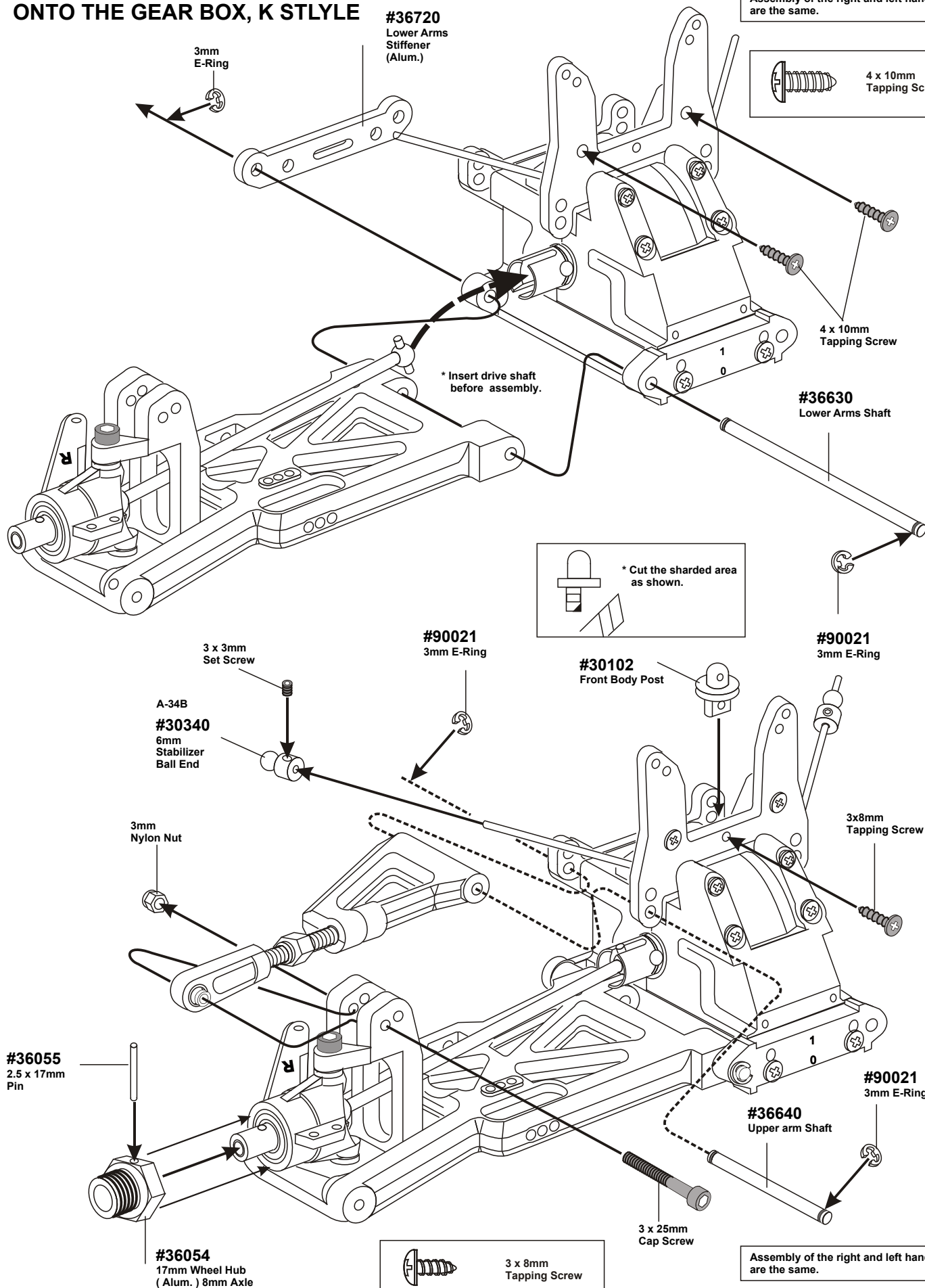
ASSEMBLY OF THE FRONT KNUCKLE ARM AND FRONT UNIVERSAL JOINT, K STYLE



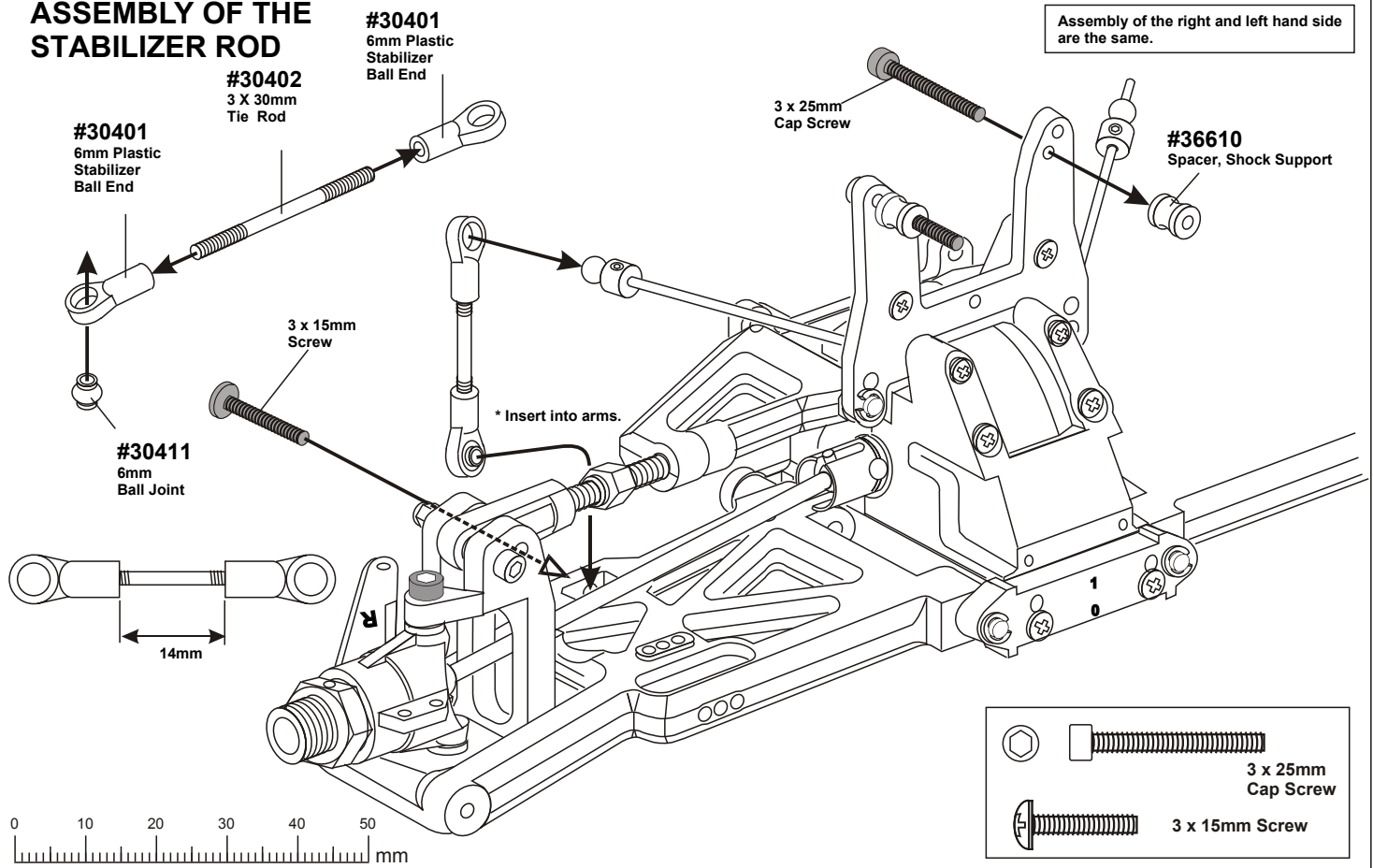
ASSEMBLY OF THE FRONT SUSPENSION ARMS, K STYLE

ASSEMBLY OF THE FRONT LOWER ARMS ONTO THE GEAR BOX, K STYLE

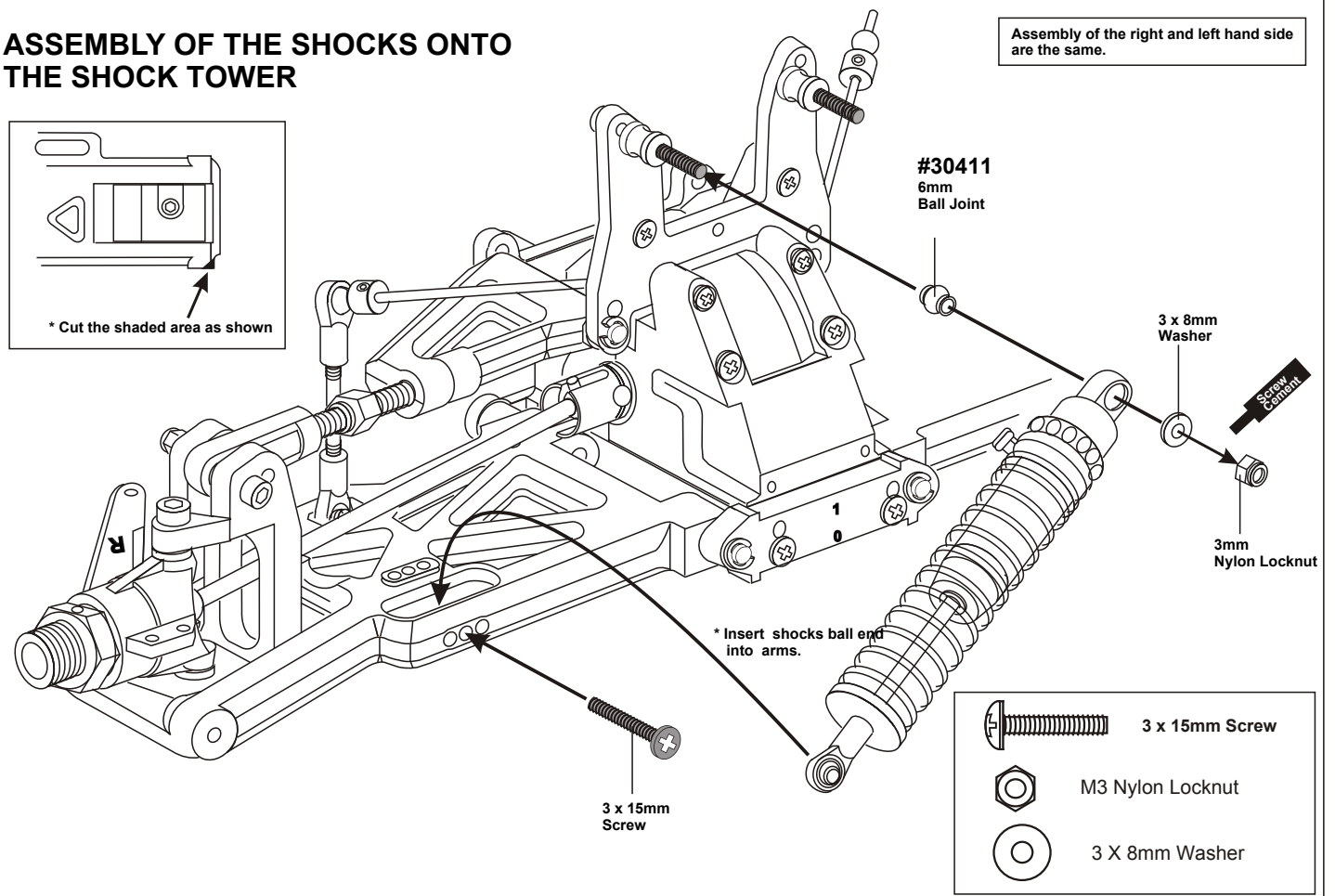
Assembly of the right and left hand side are the same.



ASSEMBLY OF THE STABILIZER ROD

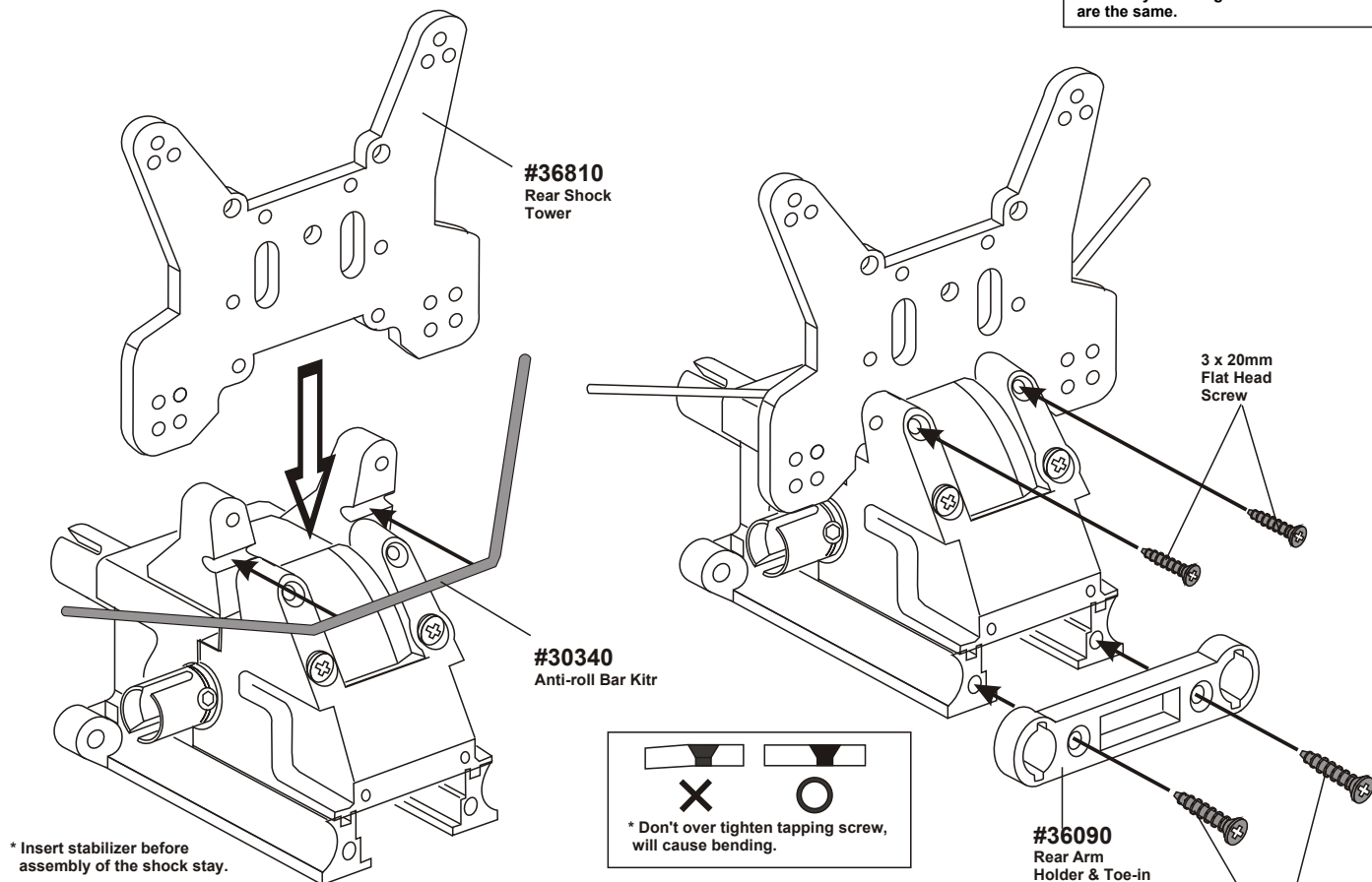


ASSEMBLY OF THE SHOCKS ONTO THE SHOCK TOWER



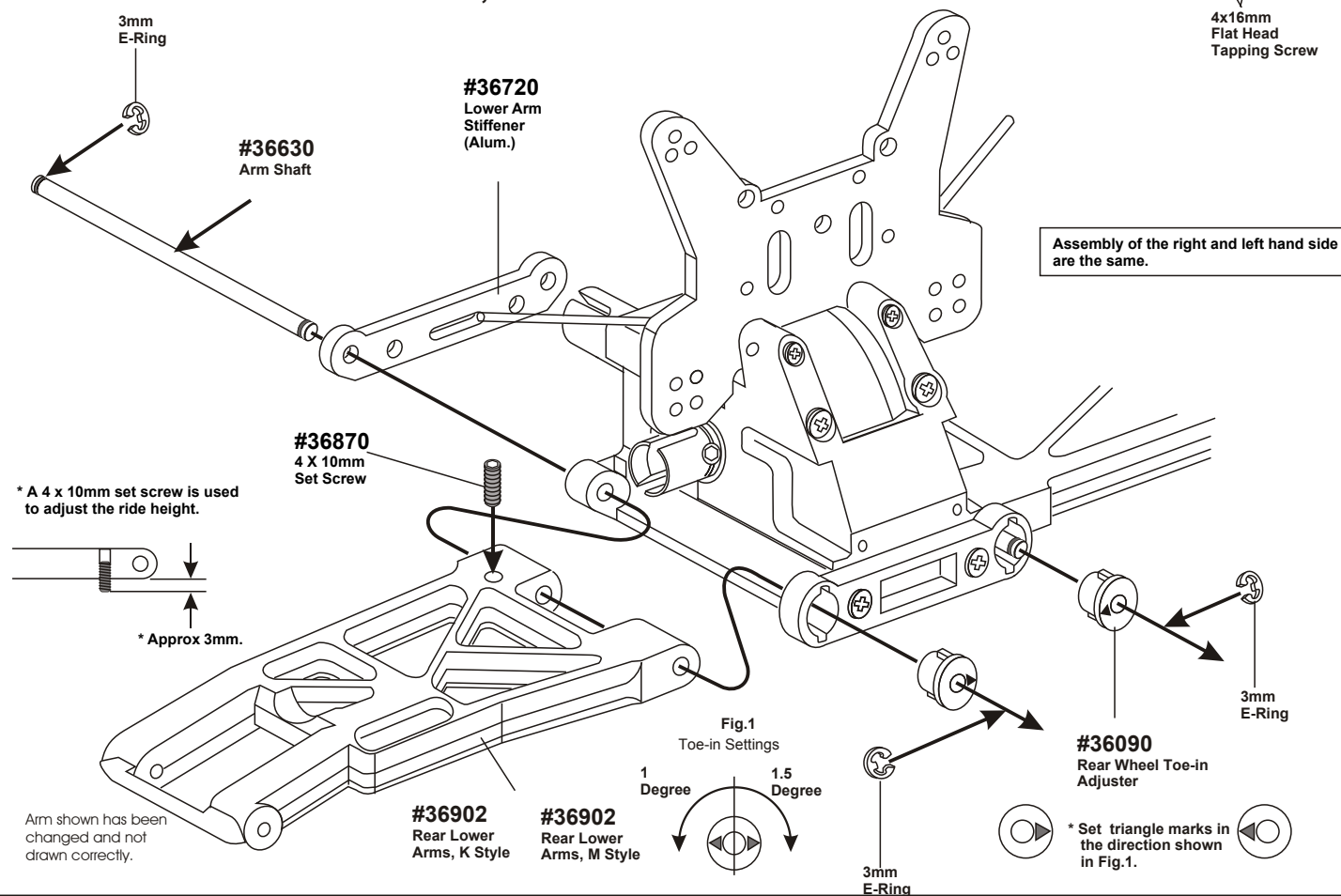
ASSEMBLY OF THE REAR SHOCK TOWER

Assembly of the right and left hand side are the same.

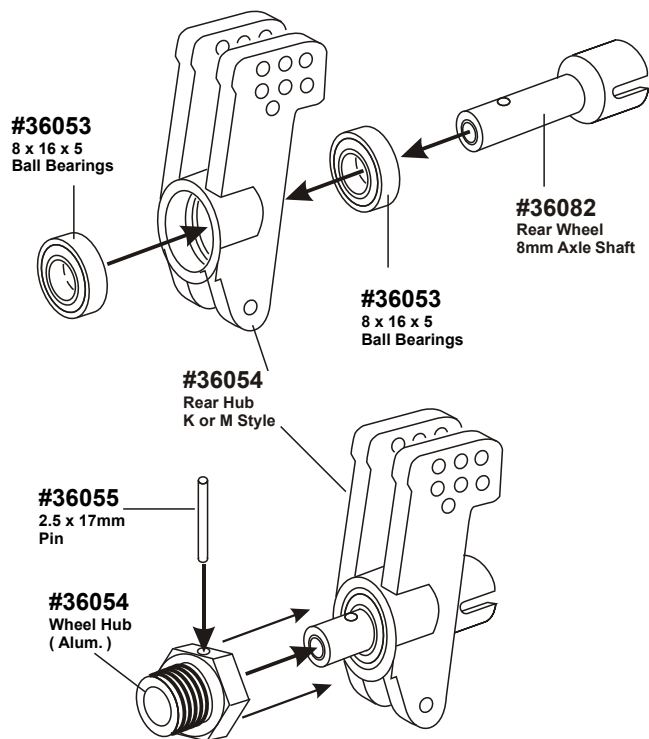


ASSEMBLY OF THE REAR ARMS, K & M STYLE

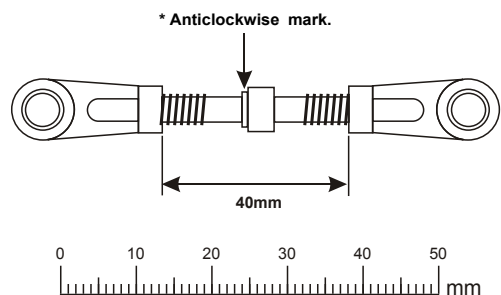
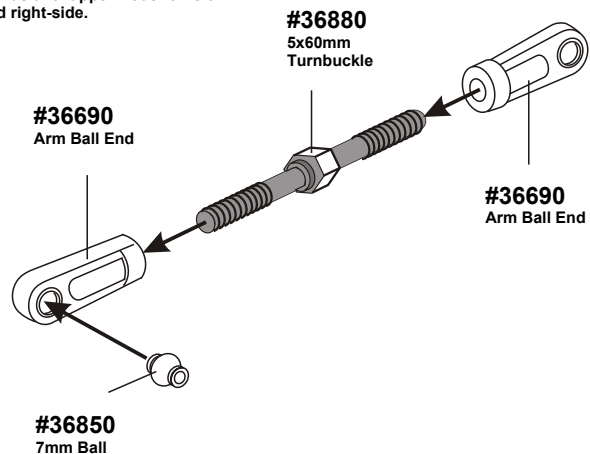
Assembly of the right and left hand side are the same.



ASSEMBLY OF THE REAR HUB, K & M STYLE



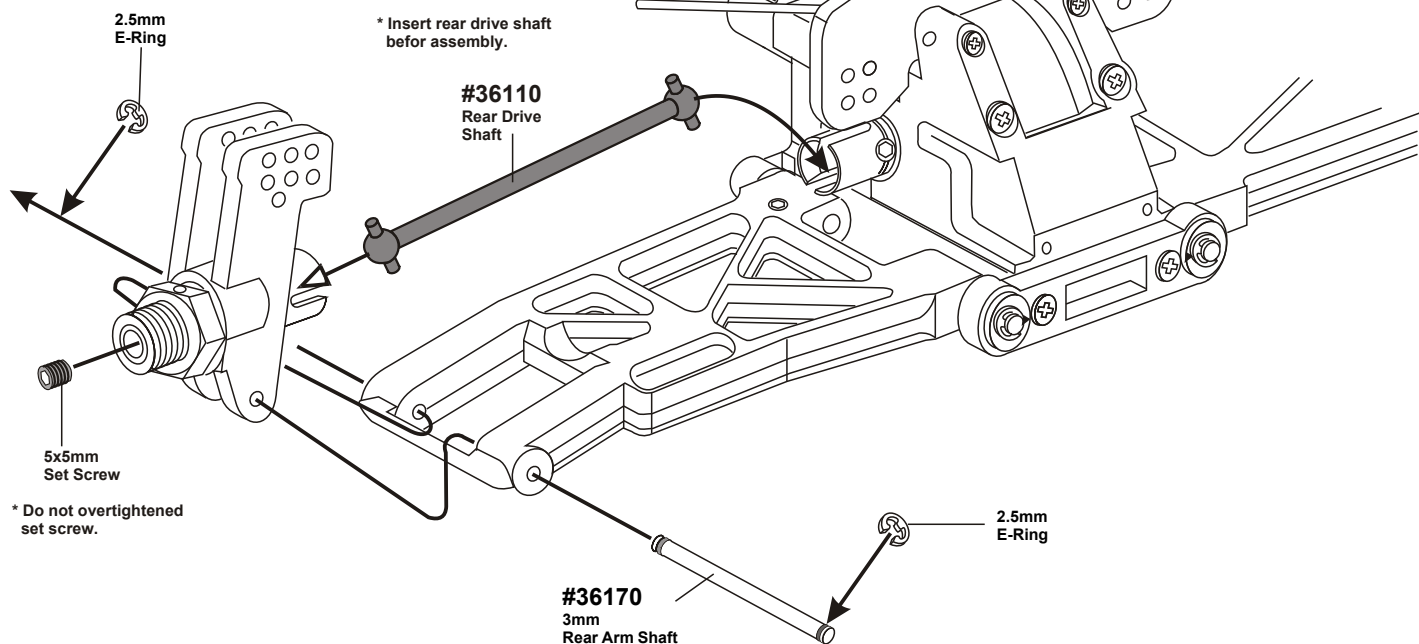
* Builds two upper Rods for left and right-side.



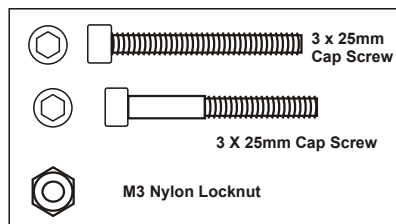
Assembly of the right and left hand side are the same.

ASSEMBLY OF THE REAR HUBS ONTO THE REAR ARMS, K & M STYLE

Assembly of the right and left hand side are the same.



ASSEMBLY OF THE REAR UPPER ARM ROD



3mm Nylon Locknut

M3 Nylon Locknut

3 x 25mm Cap Screw

Assembly of the right and left hand side are the same.

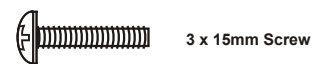
G-01 Shock Support

3 x 15mm Screw

3 x 25mm Cap Screw

* Insert into rear hub.

ASSEMBLY OF THE STABILIZER ROD



#30401
6mm Stabilizer Ball End

#30402
3 X 30mm Tie Rod

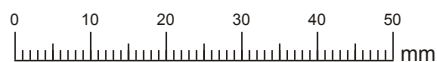
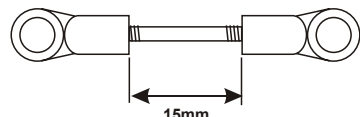
#30401
6mm Stabilizer Ball End

3 x 3mm Set Screw

#30340
6mm Stabilizer Ball End

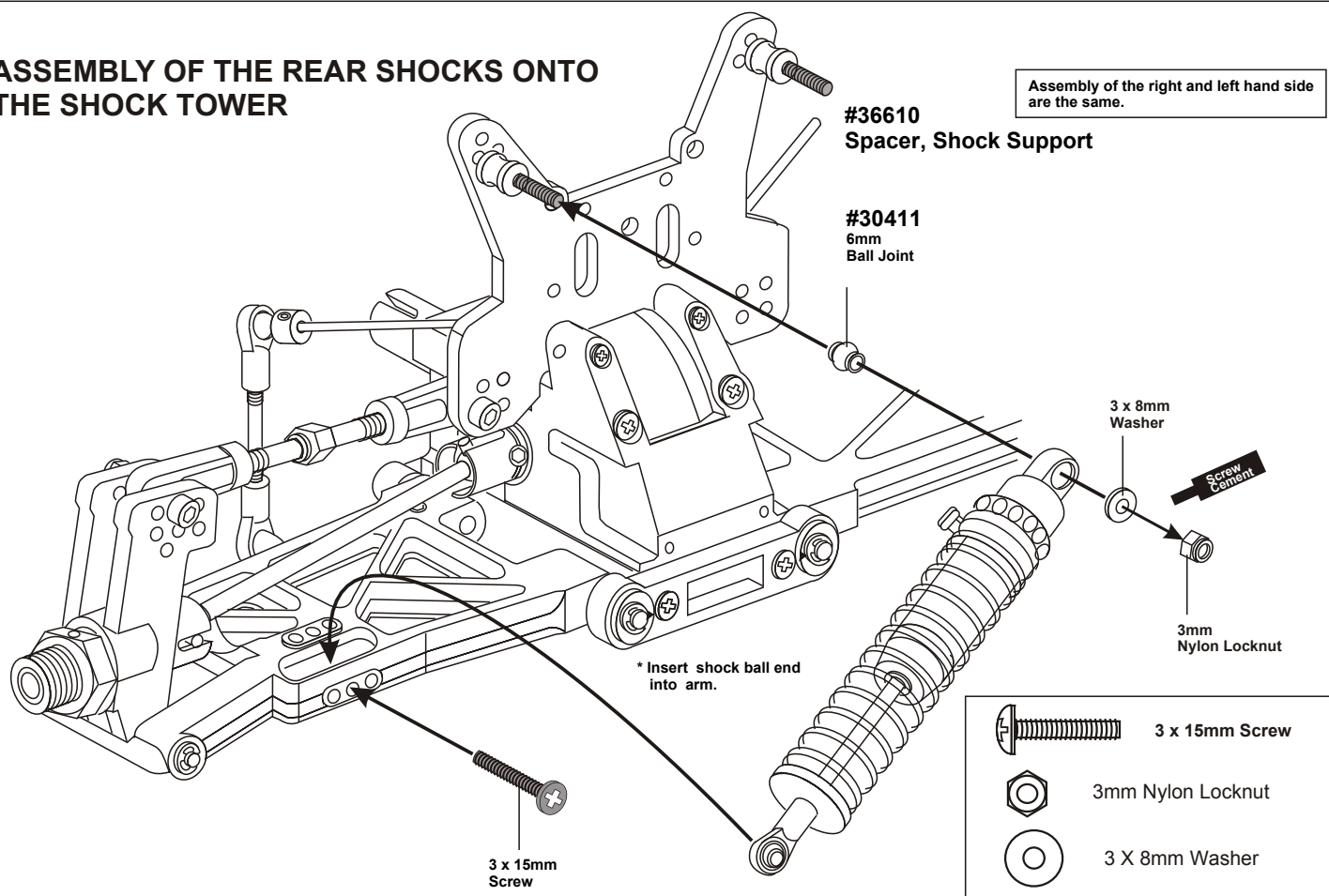
#30411
6mm Ball Joint

3 x 15mm Screw

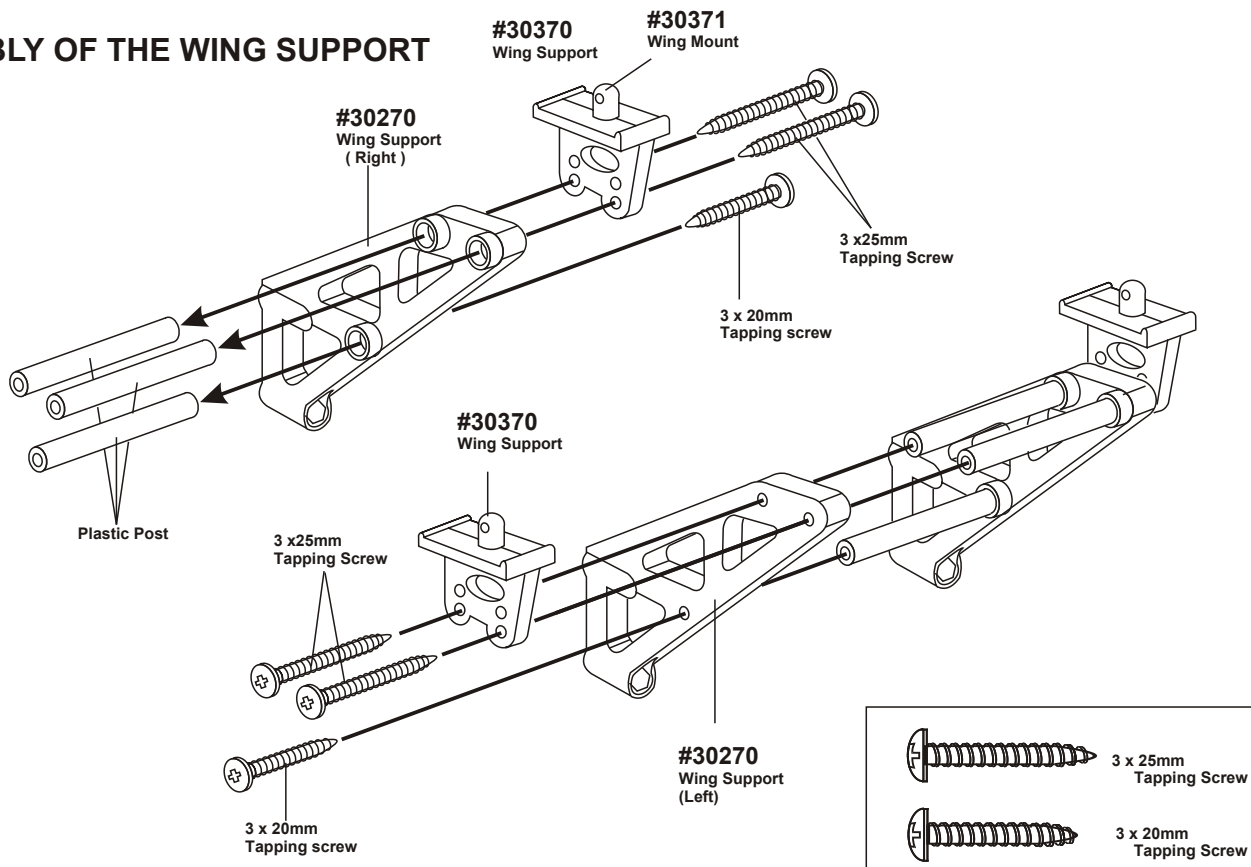


Assembly of the right and left hand side are the same.

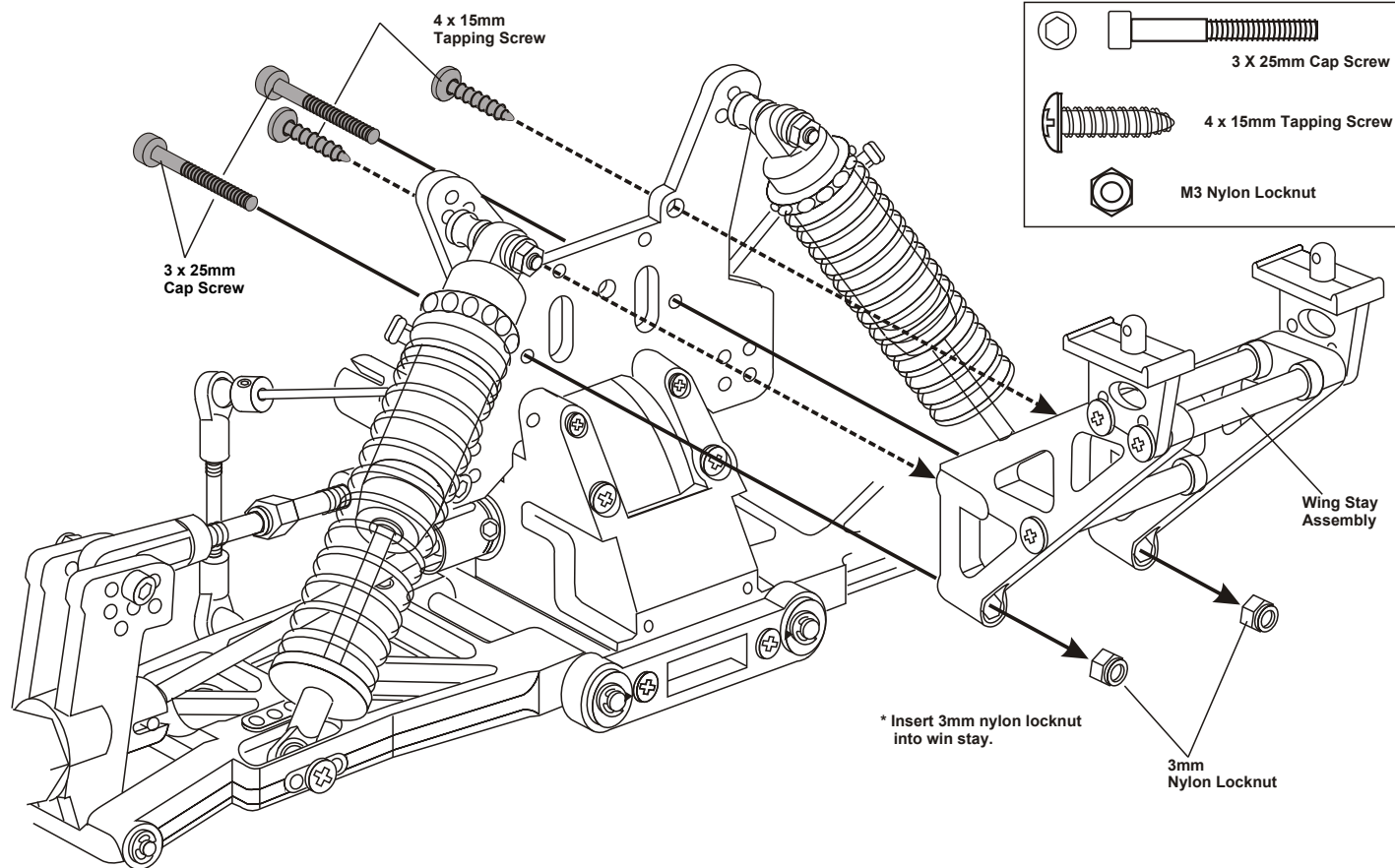
ASSEMBLY OF THE REAR SHOCKS ONTO THE SHOCK TOWER



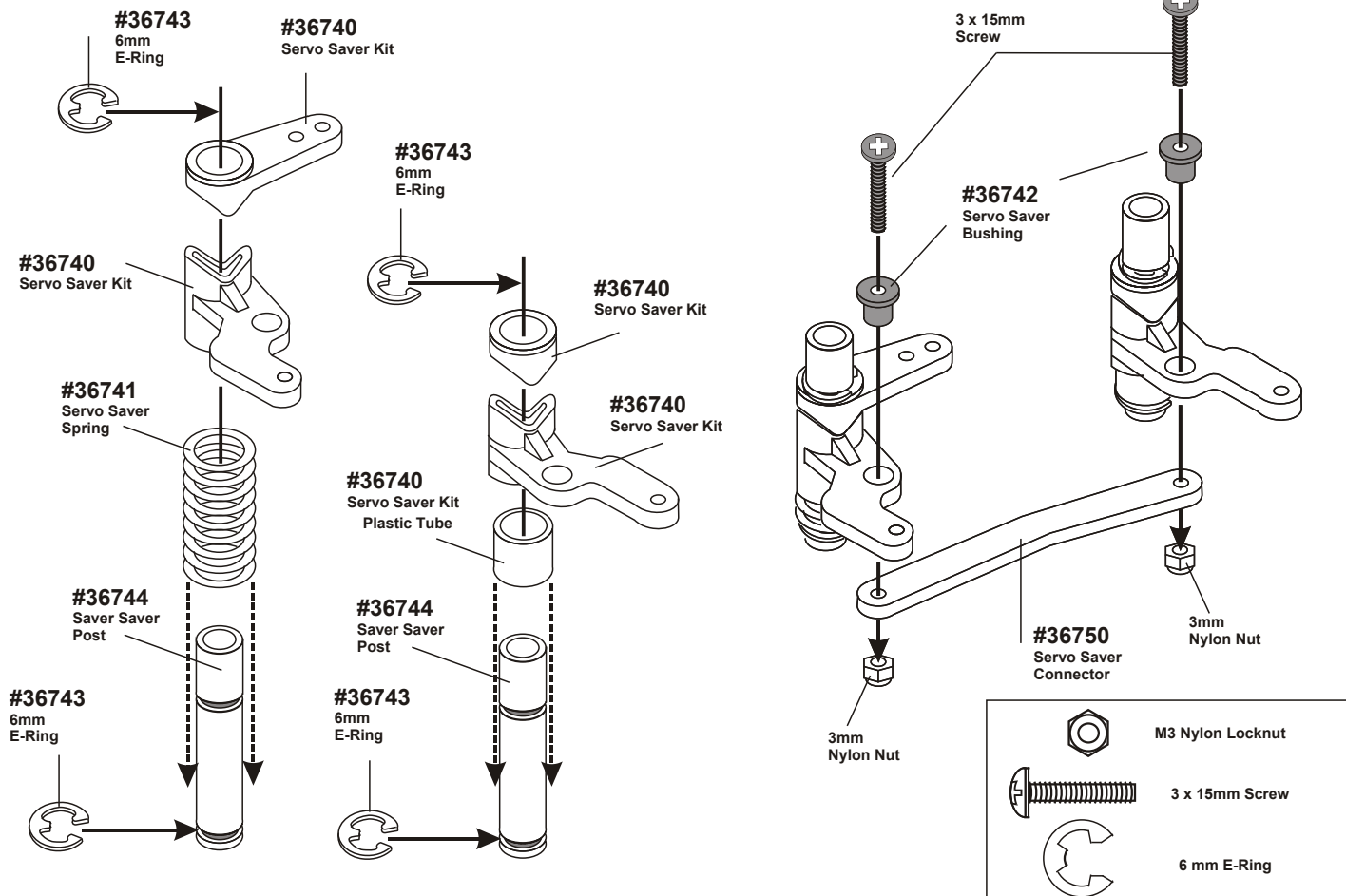
ASSEMBLY OF THE WING SUPPORT



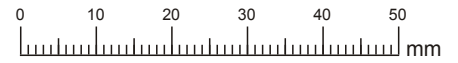
ASSEMBLY OF THE WING STAY ONTO THE SHOCK TOWER



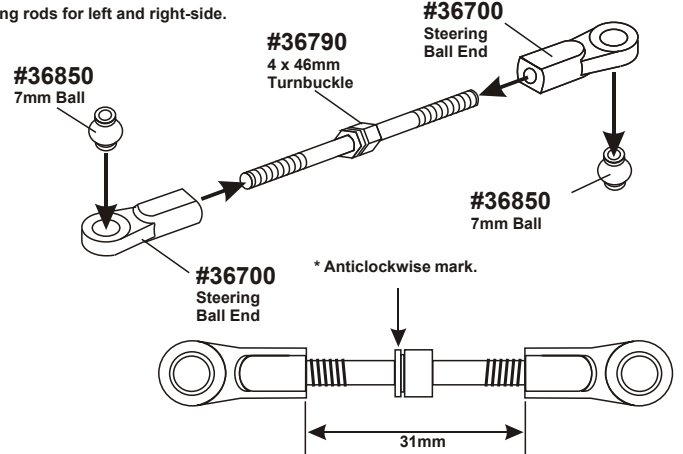
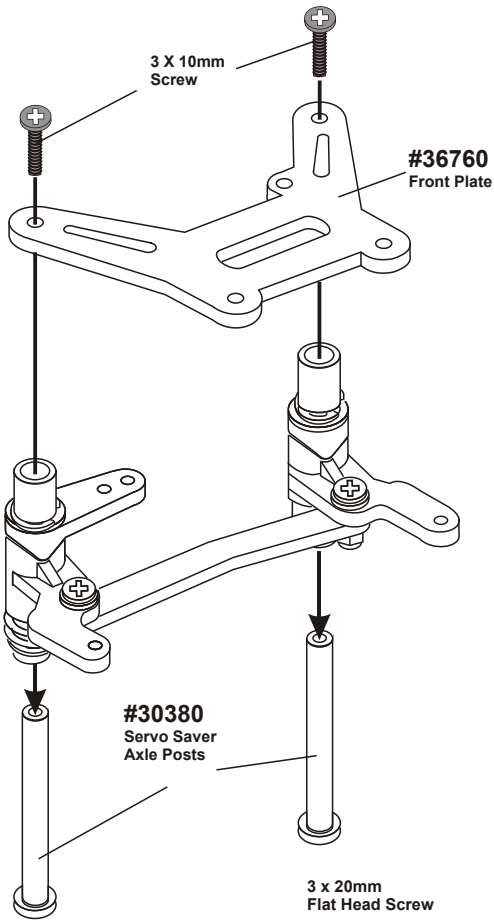
ASSEMBLY OF THE SERVO SAVER



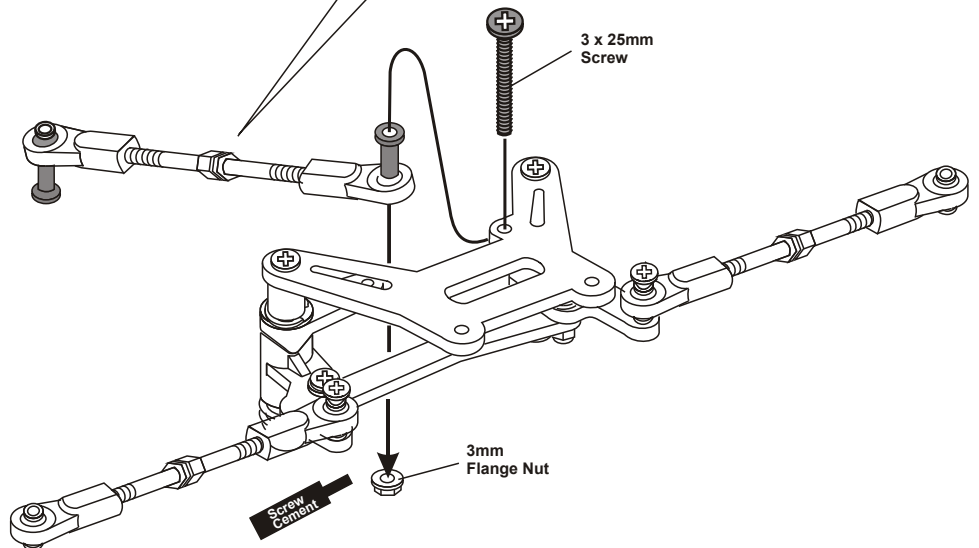
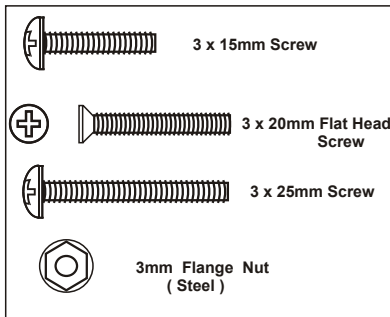
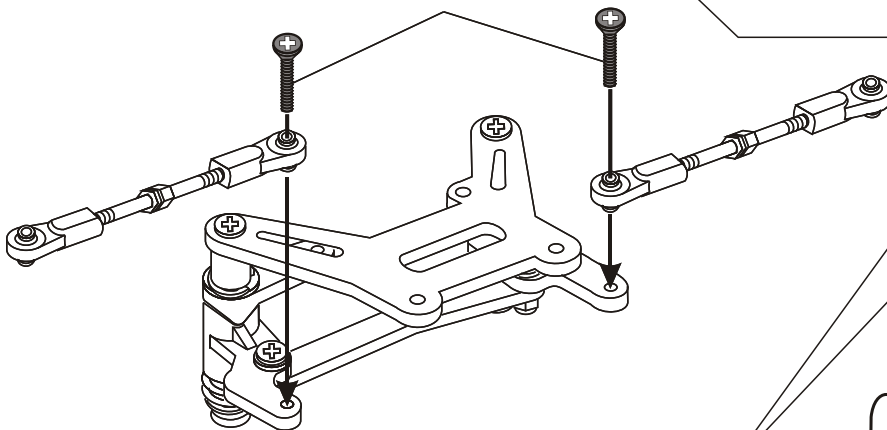
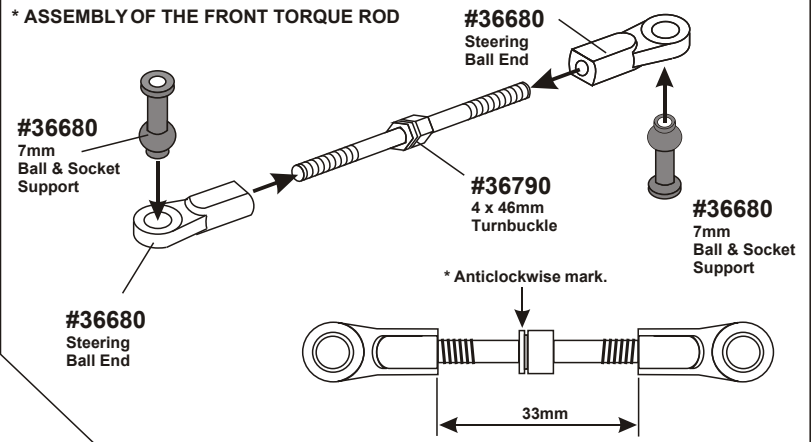
ASSEMBLY OF THE FRONT PLATE



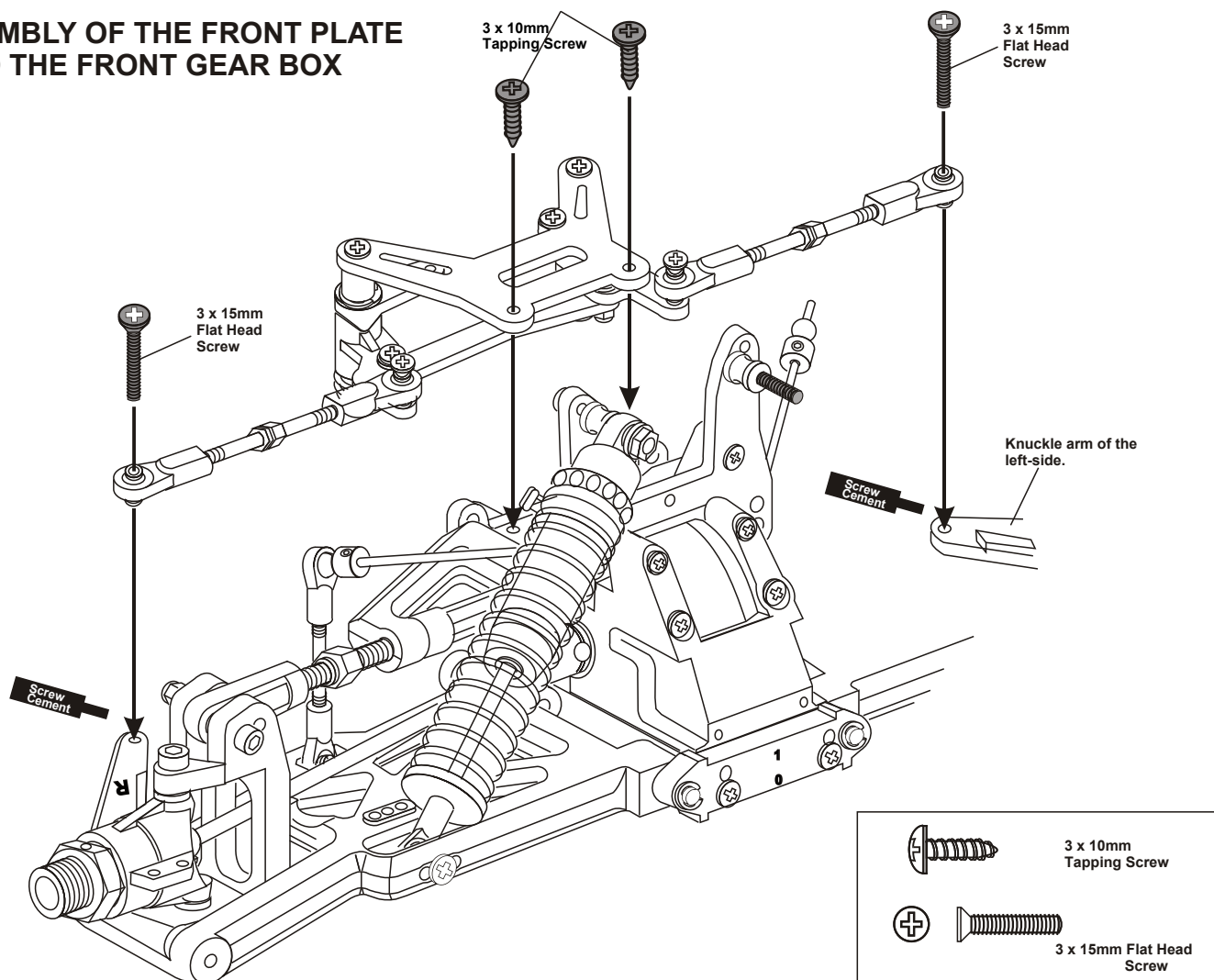
* Made two steering rods for left and right-side.



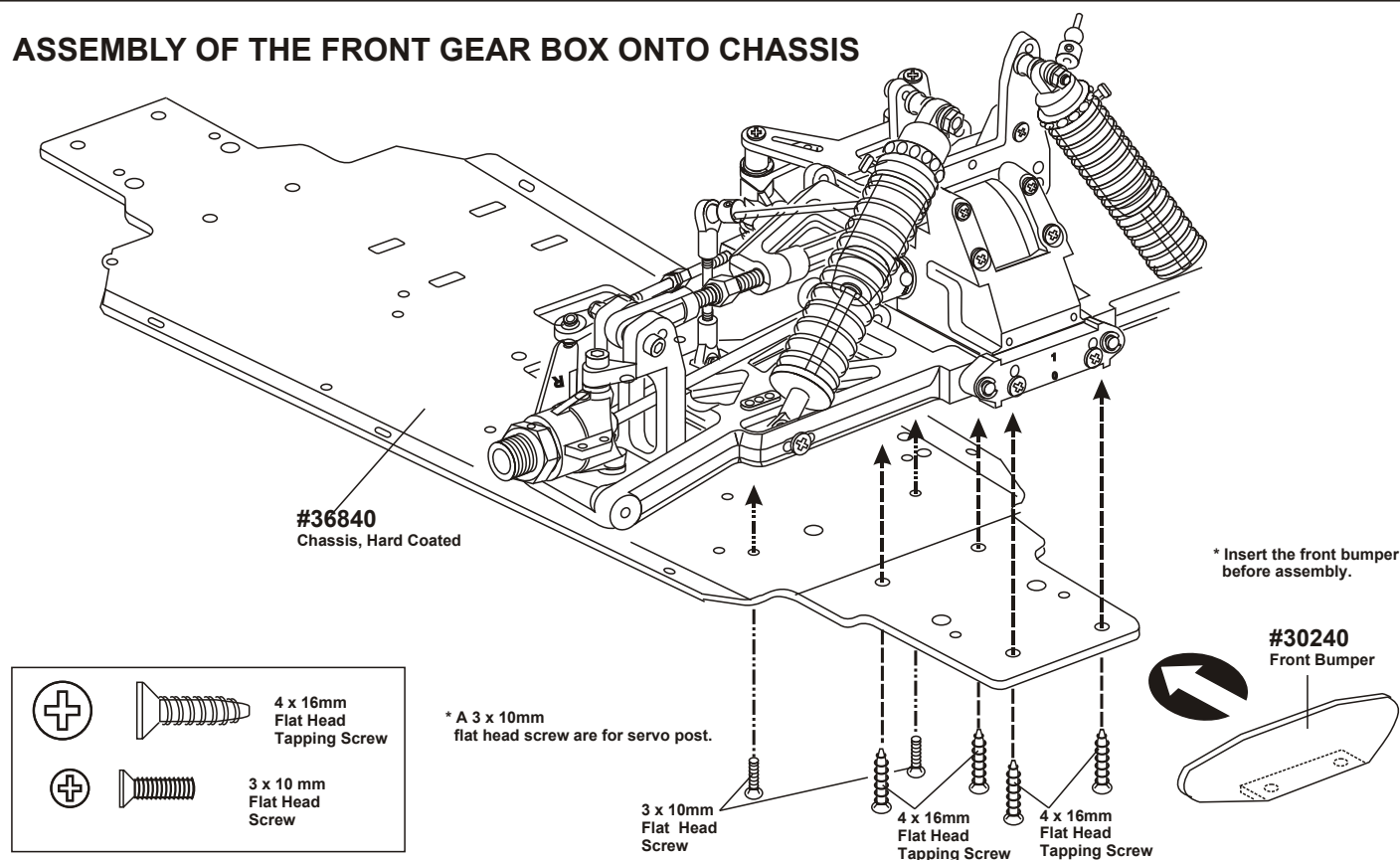
* ASSEMBLY OF THE FRONT TORQUE ROD



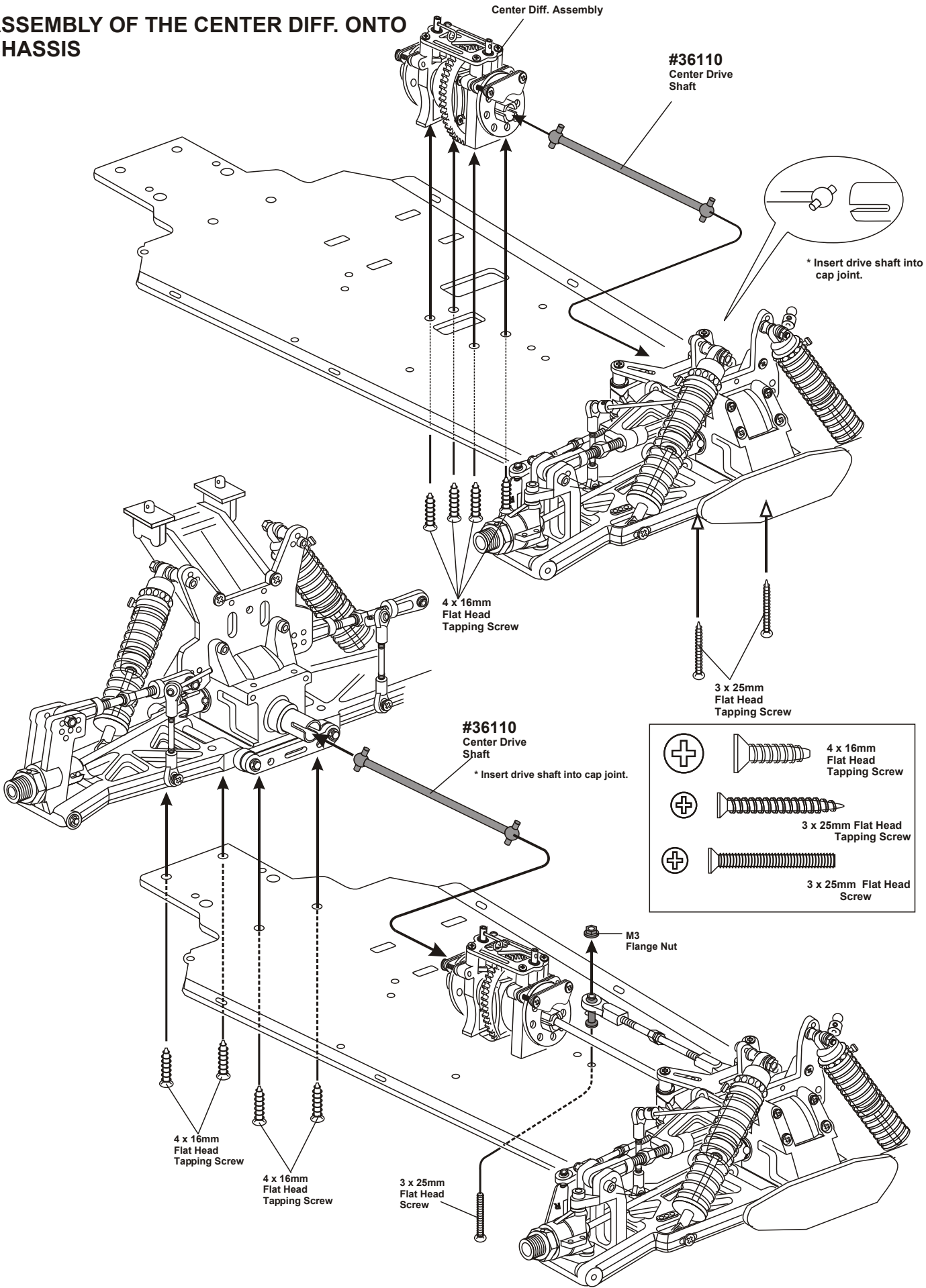
ASSEMBLY OF THE FRONT PLATE ONTO THE FRONT GEAR BOX



ASSEMBLY OF THE FRONT GEAR BOX ONTO CHASSIS



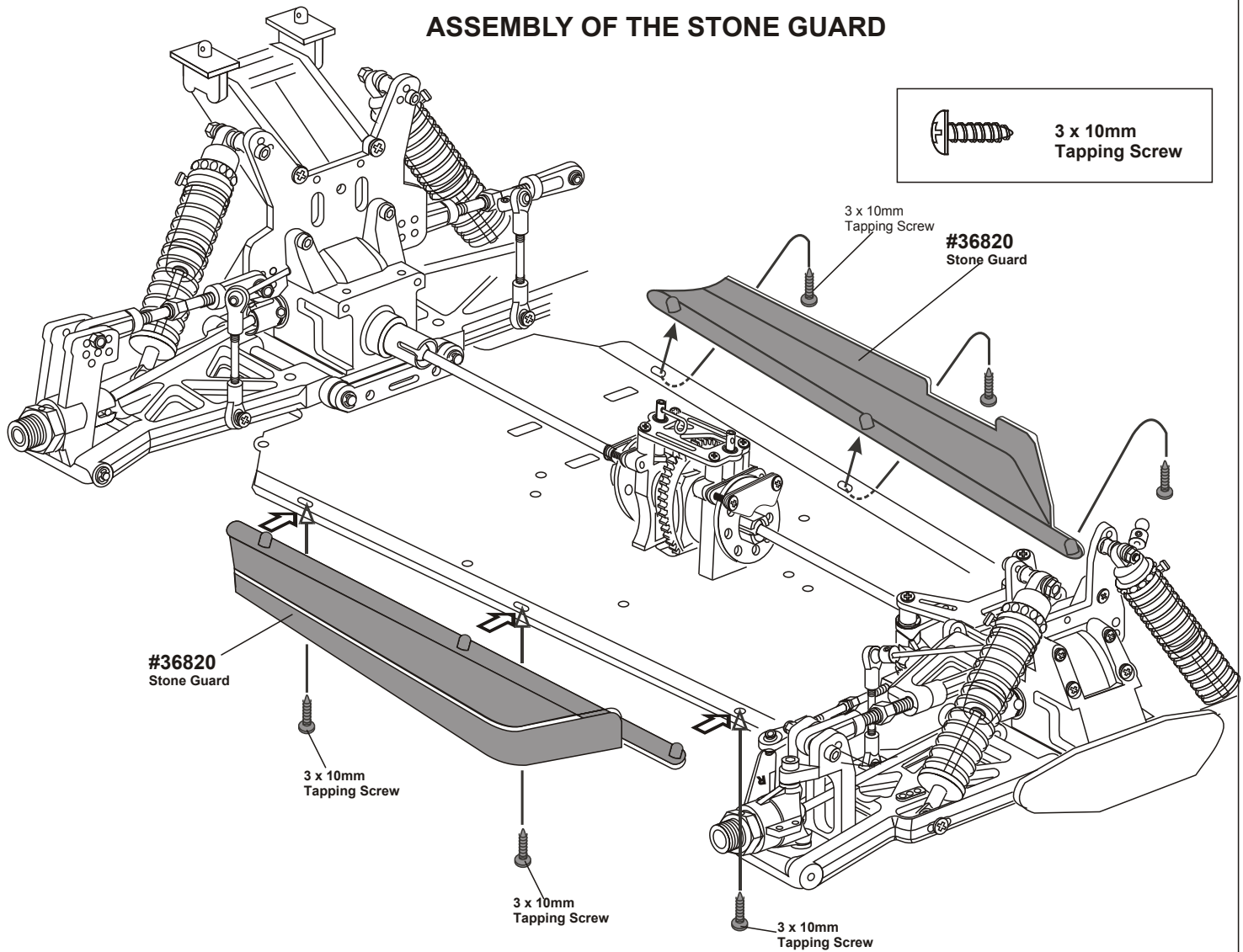
ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS



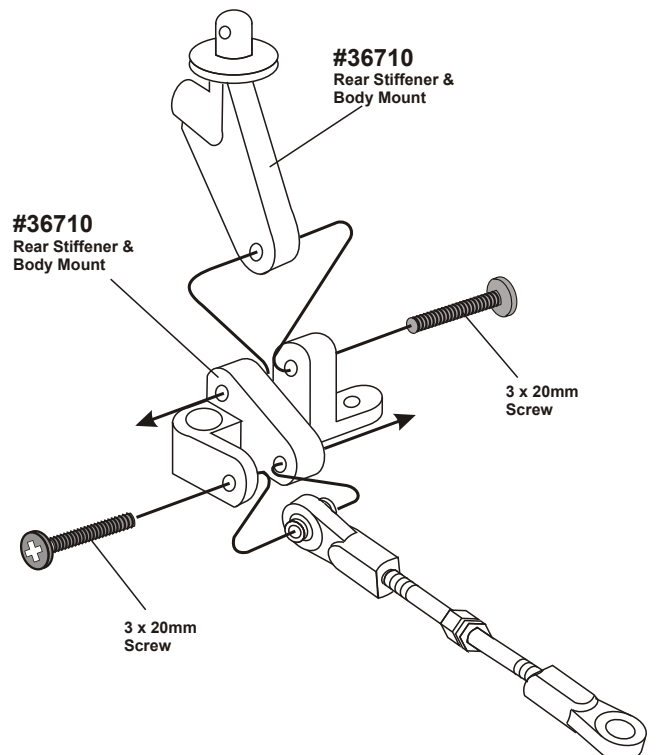
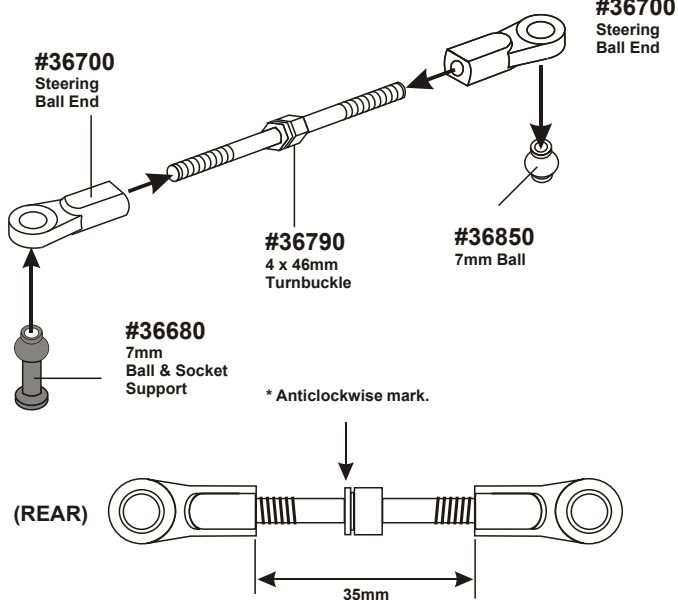
ASSEMBLY OF THE STONE GUARD



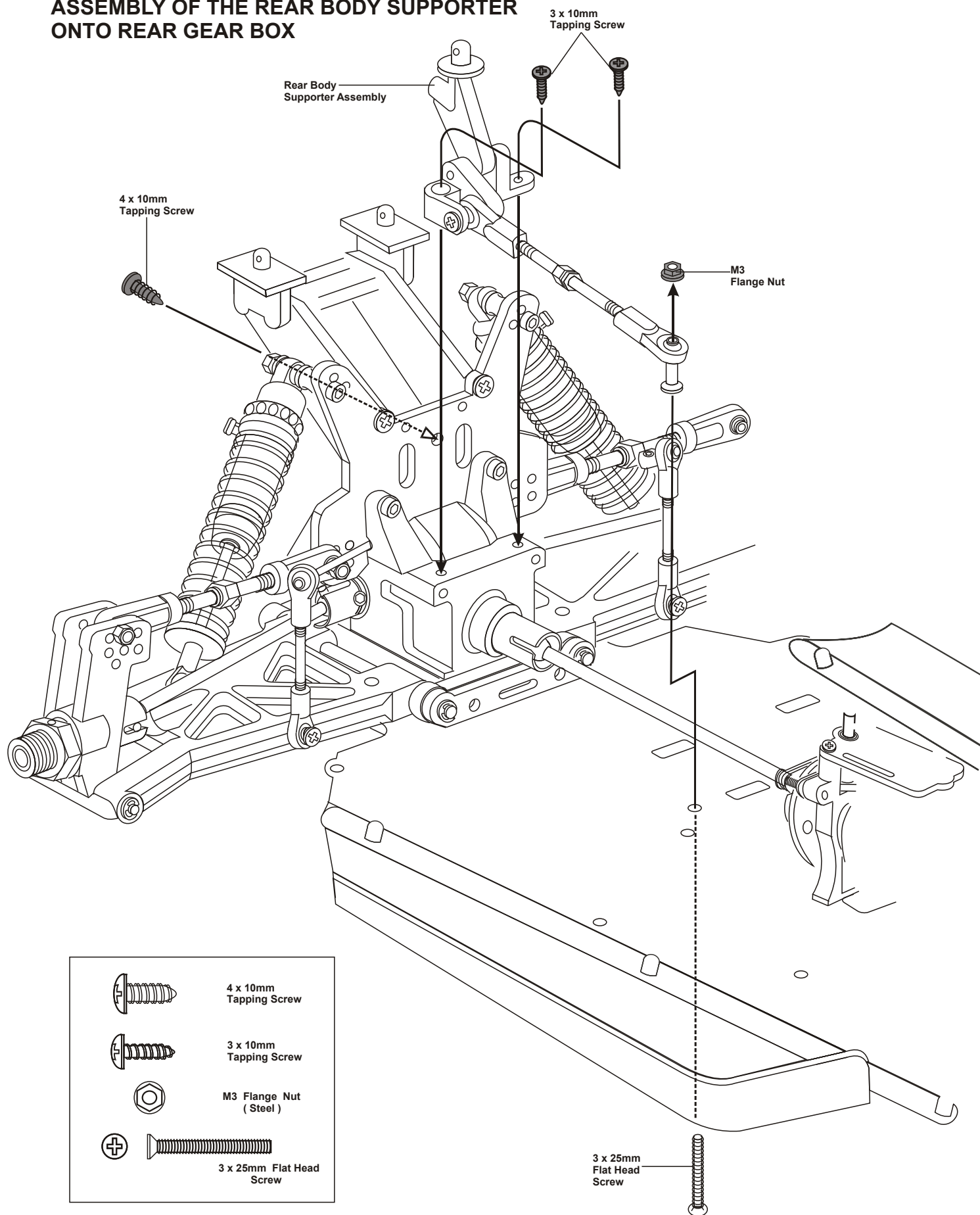
3 x 10mm
Tapping Screw



ASSEMBLY OF THE REAR TORQUE ROD



ASSEMBLY OF THE REAR BODY SUPPORTER ONTO REAR GEAR BOX



ASSEMBLY OF THE CLUTCH INTO ENGINE



3 x 5mm Screw



3 X 8mm Washer



3 x 20mm Cap Screw



3mm Nylon Locknut

Notes:

Non-Pull Start Engines...

• Alum. Washer behind the flywheel is not needed when using Force engines or similar types. O.S. Engines will require washer spacer.

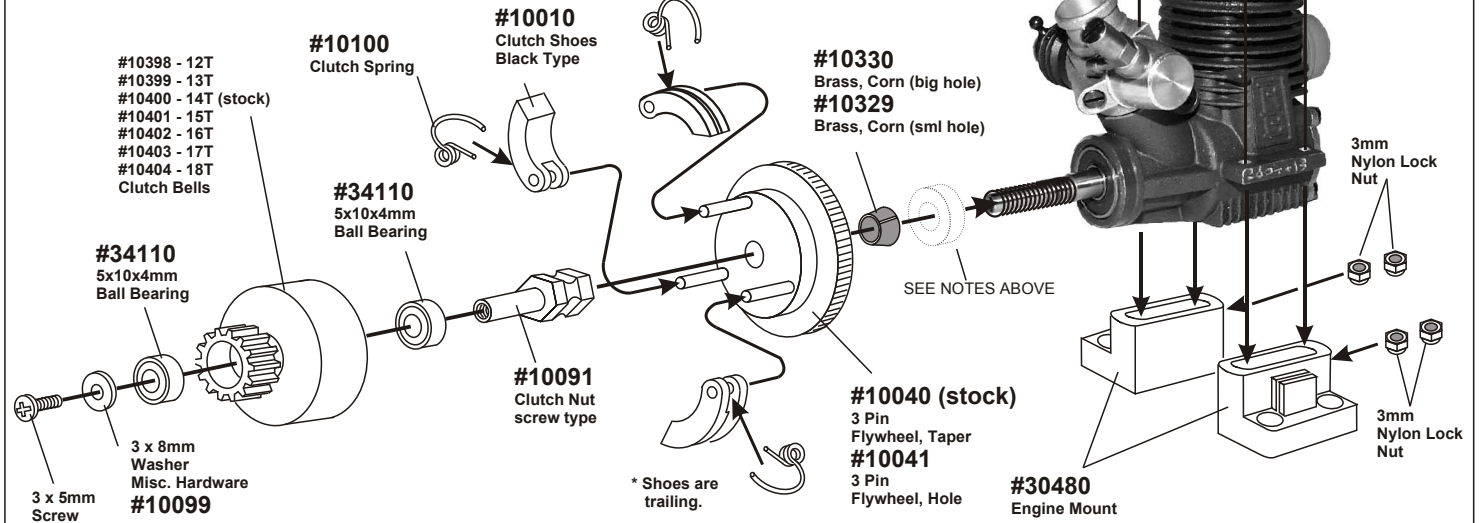
• To check!..place the brass corn #10330 (big hole) against the engine bearing, then flywheel. You should be covering one or two thread of the engine shaft. If this is the case, you do not need an additional washer behind the flywheel.

You must cut the engine shaft if too long. Count 6 threads in front of the flywheel and mark. This is all you need to tighten the clutch nut and mount the flywheel.

Force Pull Start Engine...

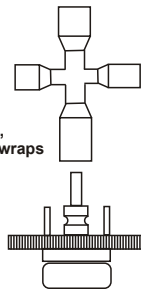
• Force Pull Start Engines required NO additional spacer and no shaft cutting. The Force engines comes with an alum. cast driver washer, you use this part as the spacer, not the alum. washer shown for O.S. installs

But, you must find the #10329 brass corn (sml hole) for Flywheel. This special corn fits the smaller thread diameter of the engine shaft. It will center the flywheel when tightening the clutch nut.

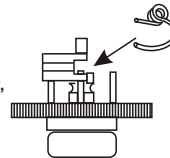


* Fit the flywheel using a cross wrench or deep socket.

If engine turns when tightening, hold piston with large thick tie-wraps and hard wood in exhaust port. Do not use metal, it will damage engine.



* Place the clutch shoes with the clutch springs over the 3 pins of the flywheel. Using a screw driver as a lever, bend the small end of the clutch spring behind the clutch nut and press down to snap shoe in place.



#10098

SG Nut & Shim KIT



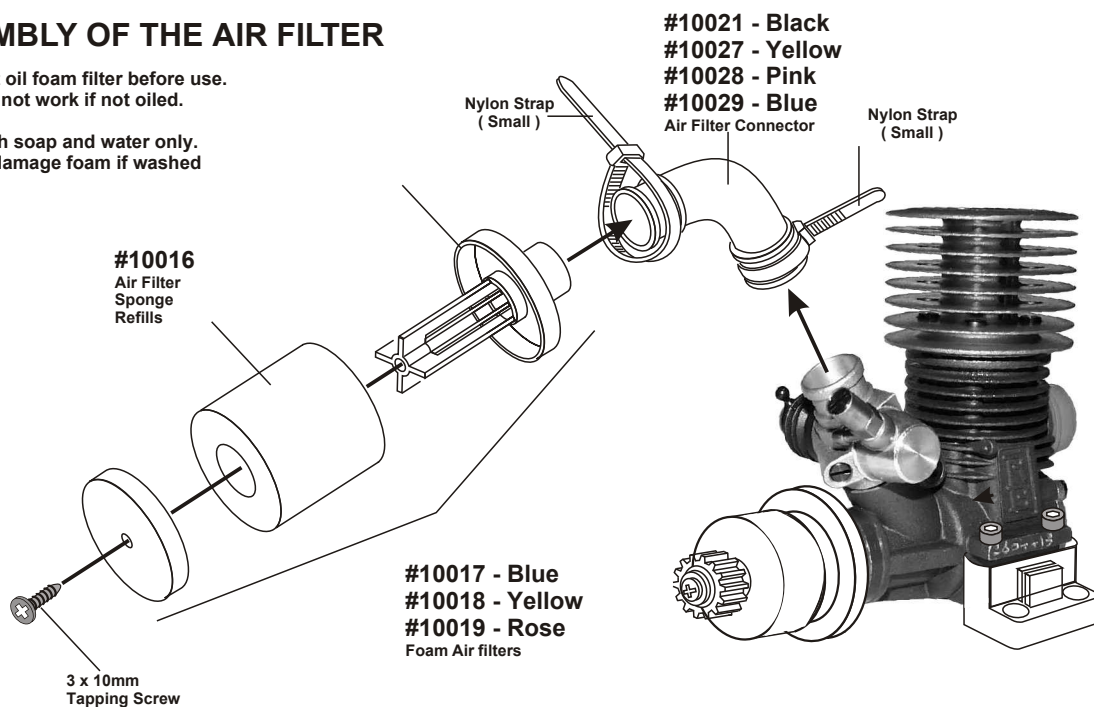
Engines with ground shafts and few threads are called SG Shaft. A special clutch nut is needed.

The stock flywheel (#10040) is fine.

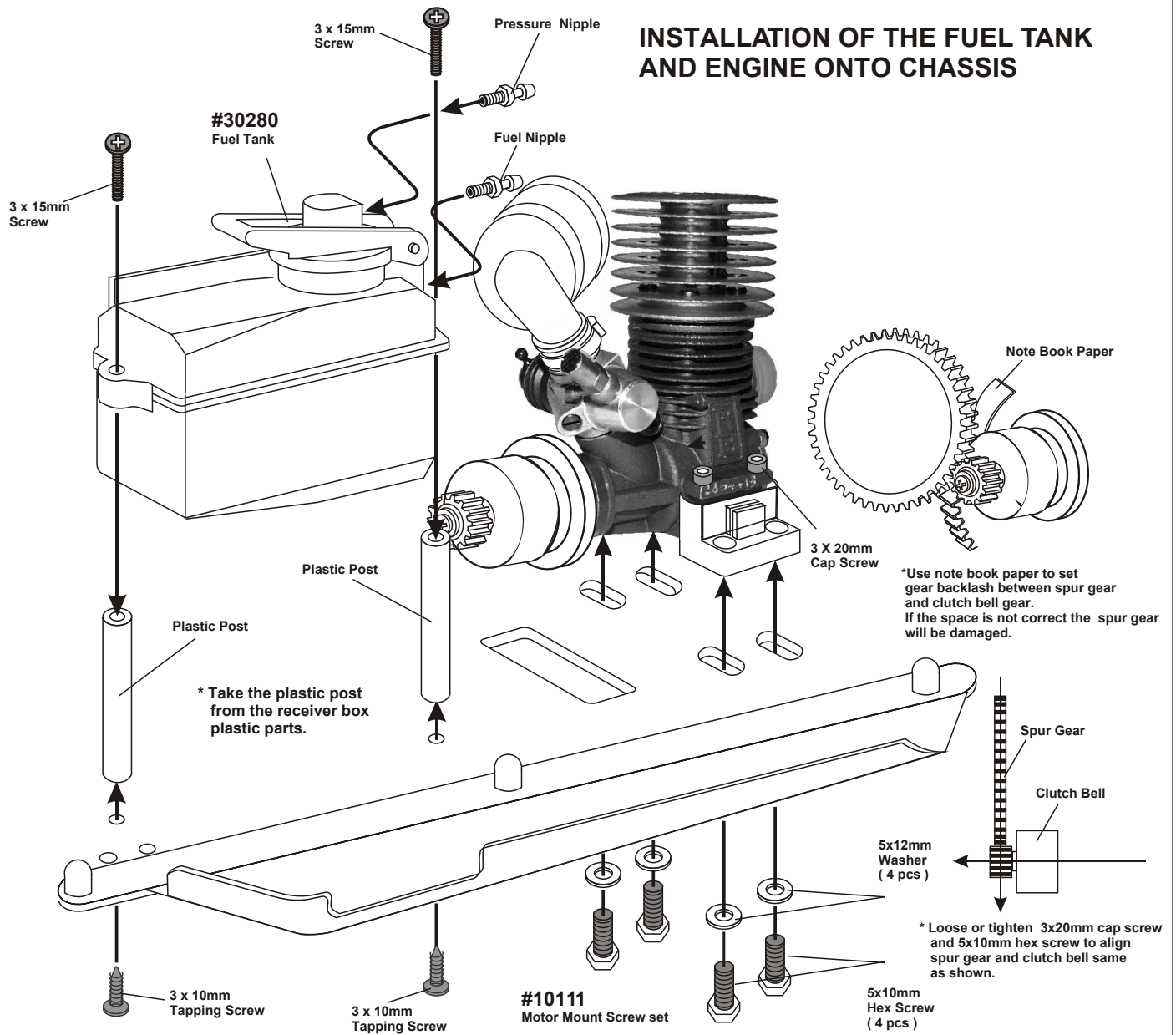
ASSEMBLY OF THE AIR FILTER

You must oil foam filter before use. Filter will not work if not oiled.

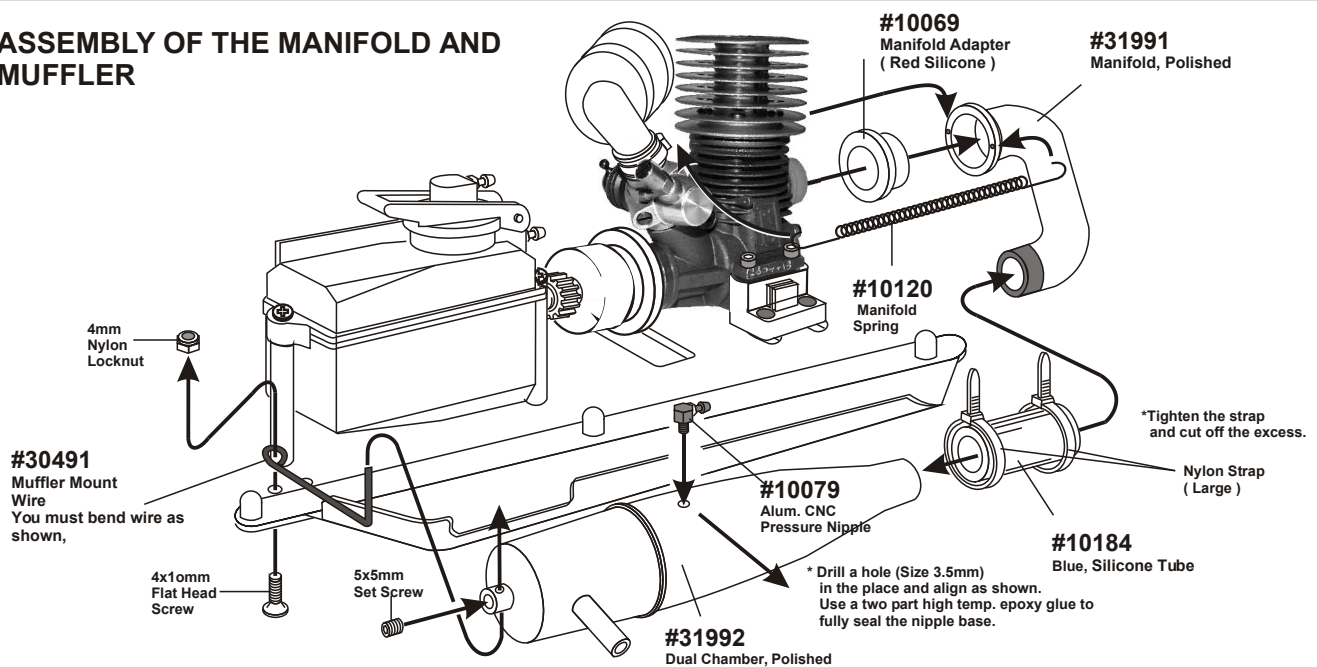
Clean with soap and water only. You will damage foam if washed if fuel!



INSTALLATION OF THE FUEL TANK AND ENGINE ONTO CHASSIS

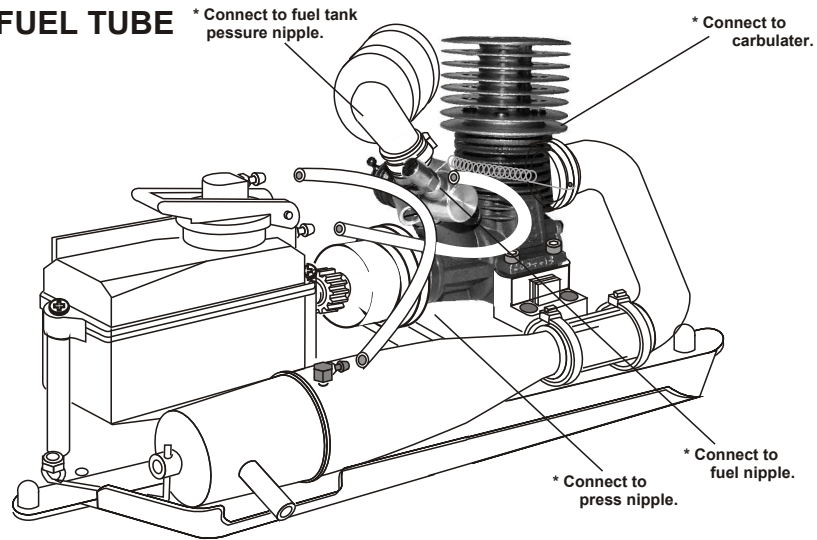


ASSEMBLY OF THE MANIFOLD AND MUFFLER

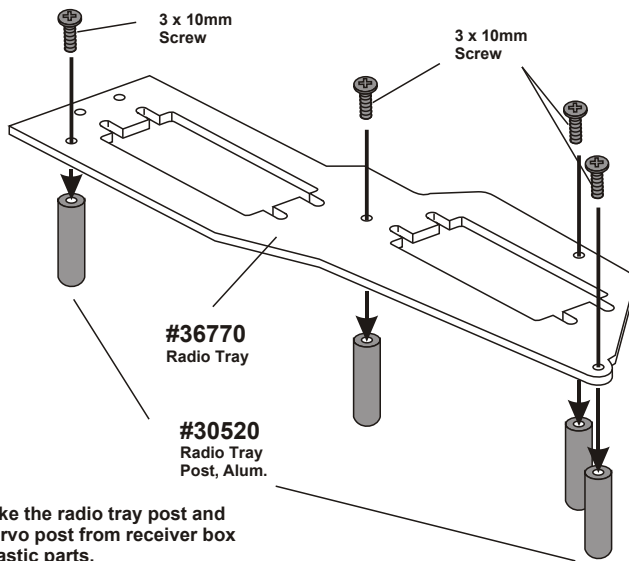


ASSEMBLY OF THE FUEL TUBE

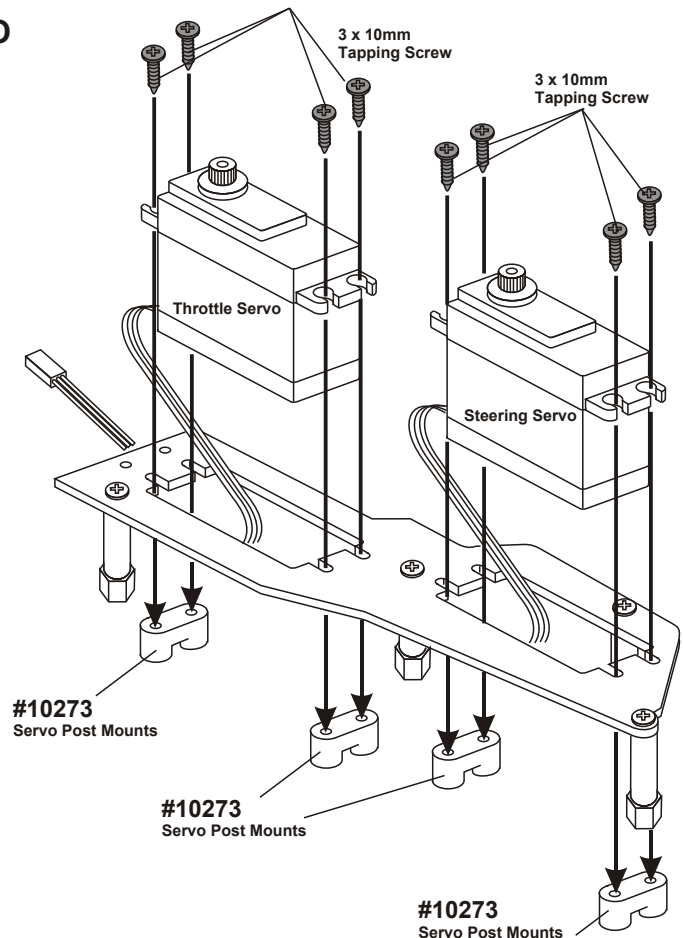
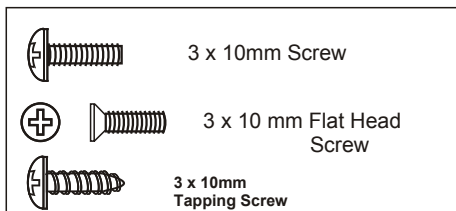
#10178 - Yellow
#10179 - Lt. Blue
Silicone Fuel Tubing, 3ft.



ASSEMBLY OF THE RADIO TRAY AND SERVO

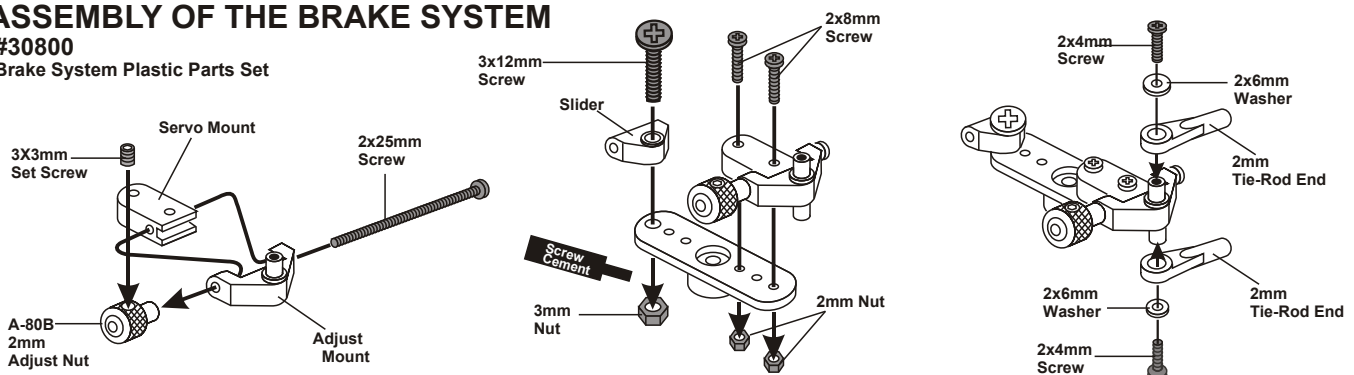


In U.S. Kits, the post are CNC Alum. Instead of Plastic
Use Machine Screw instead of Tapping as shown.

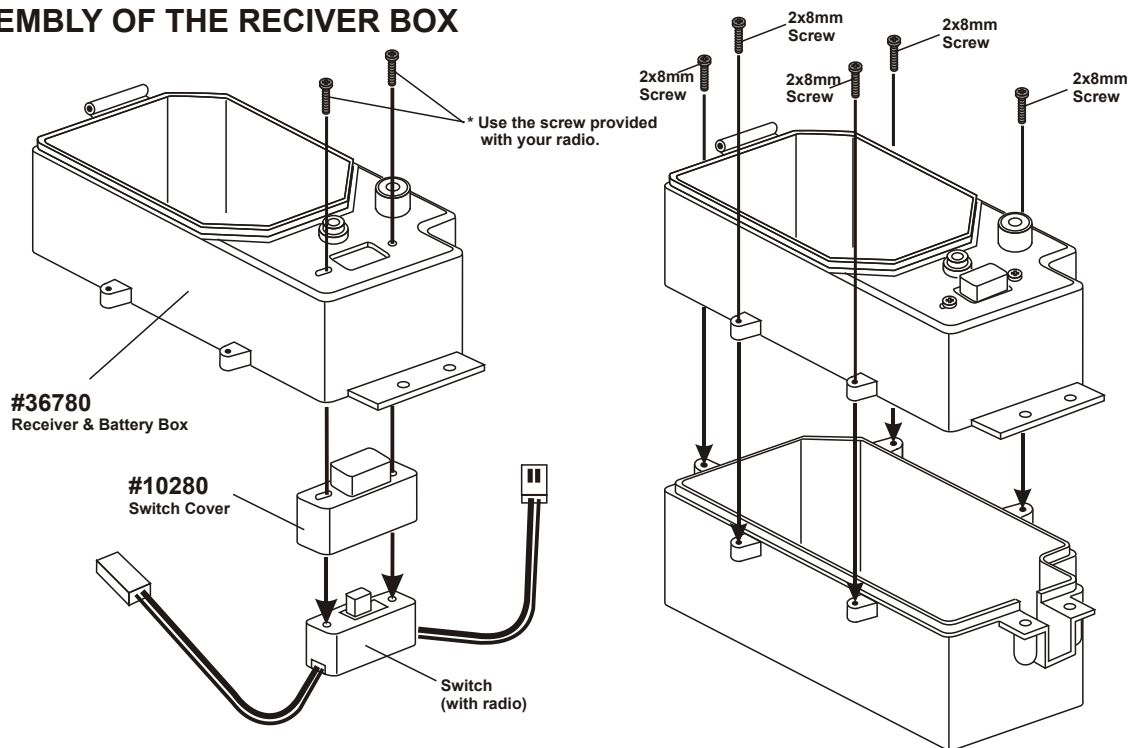


ASSEMBLY OF THE BRAKE SYSTEM

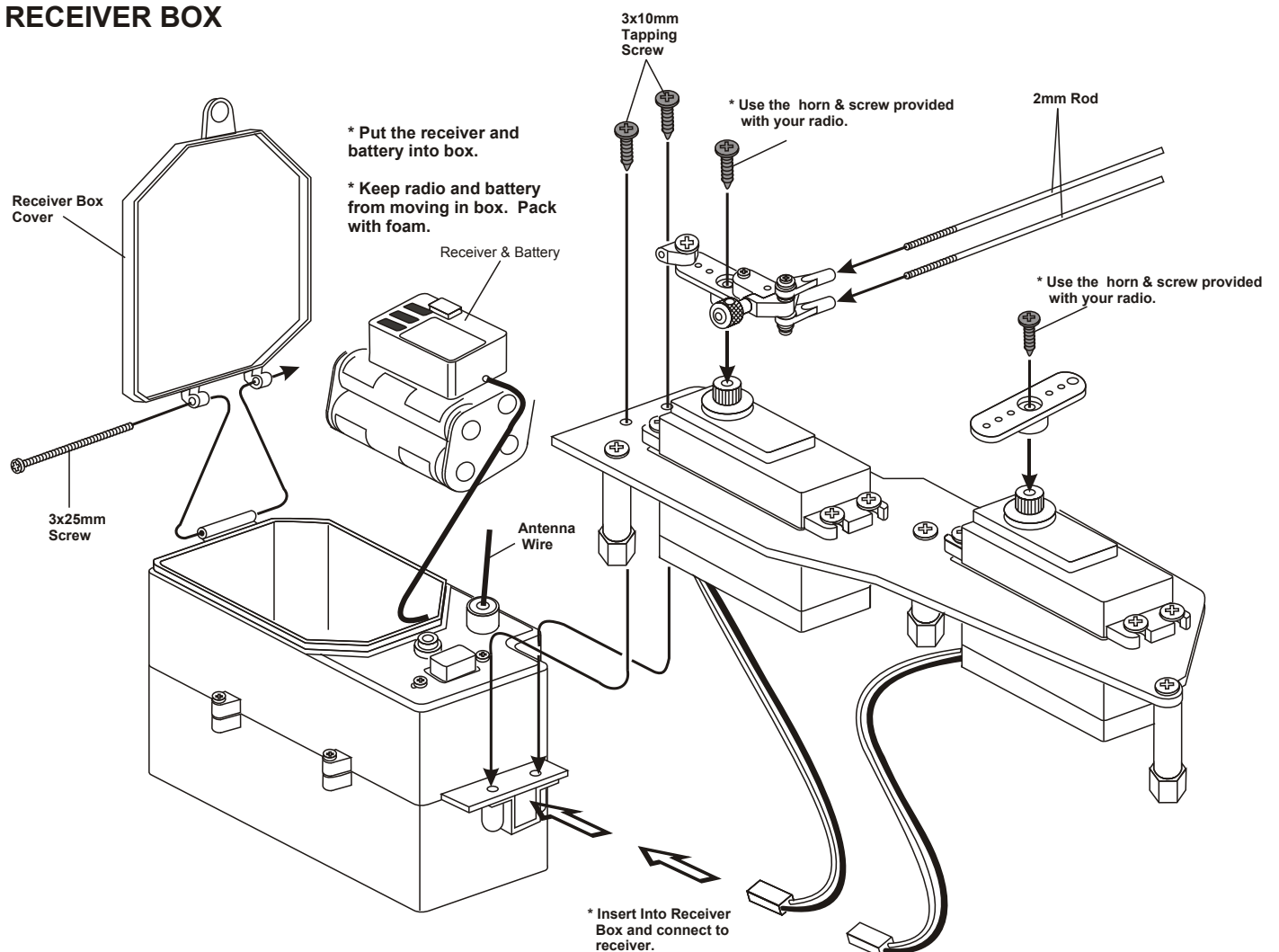
#30800
Brake System Plastic Parts Set



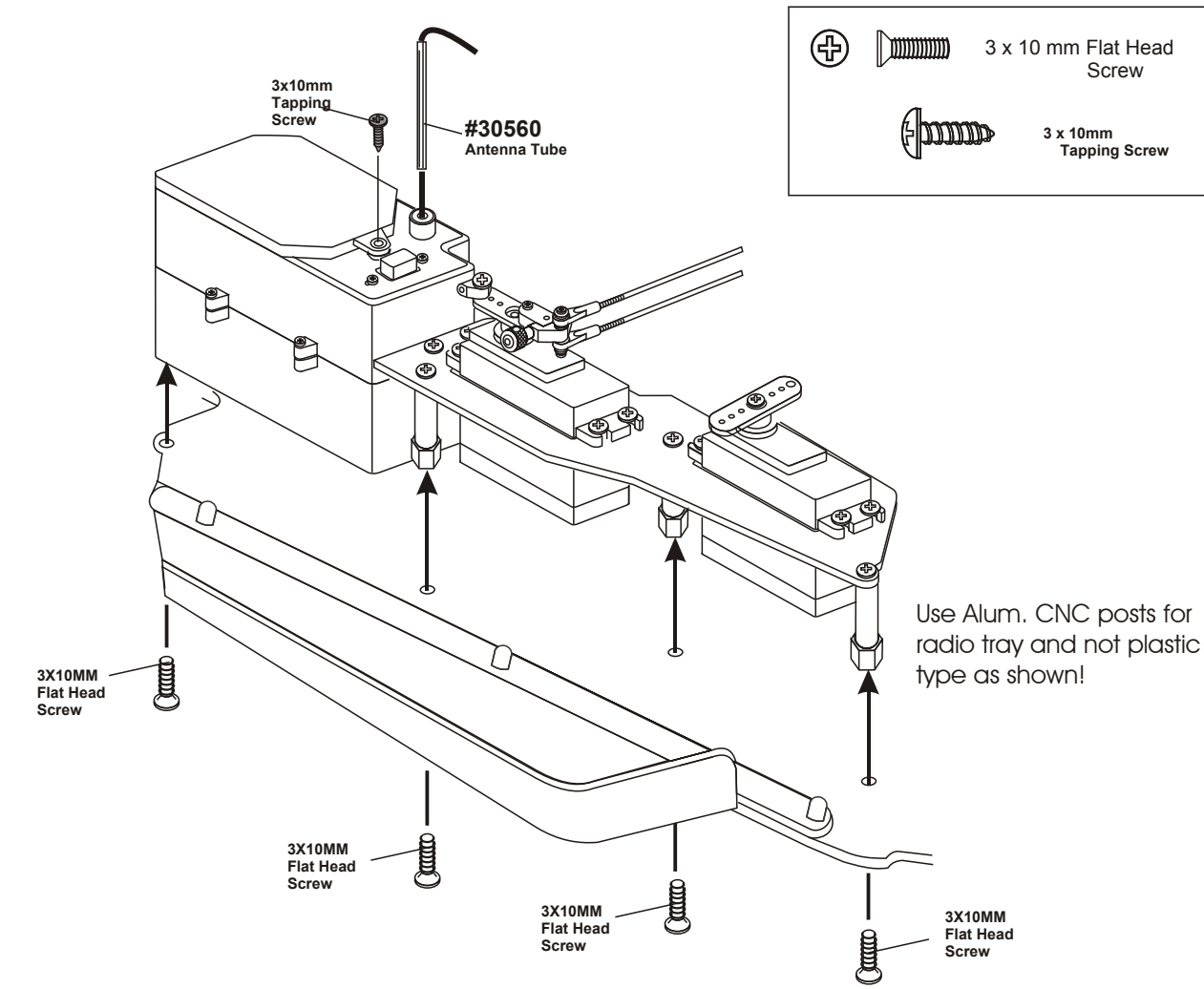
ASSEMBLY OF THE RECIVER BOX



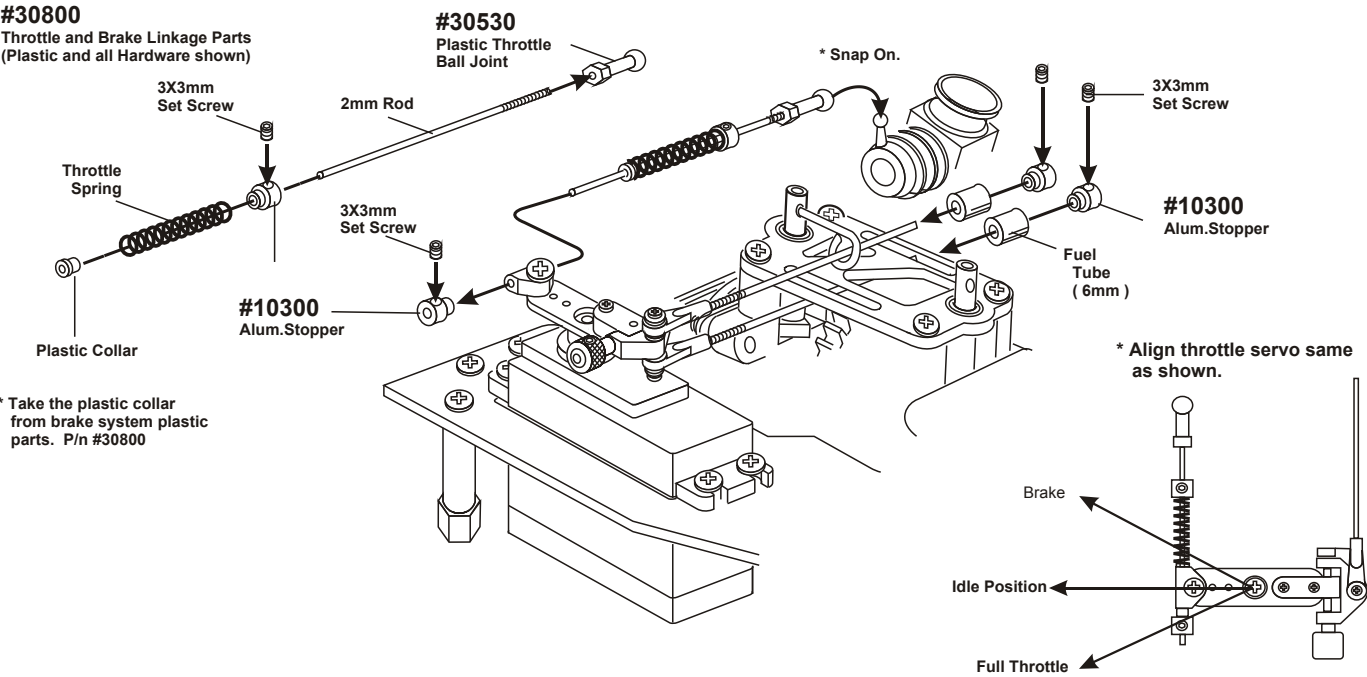
ASSEMBLY OF THE RADIO TRAY ONTO RECEIVER BOX



ASSEMBLY OF THE RADIO TRAY ONTO CHASSIS



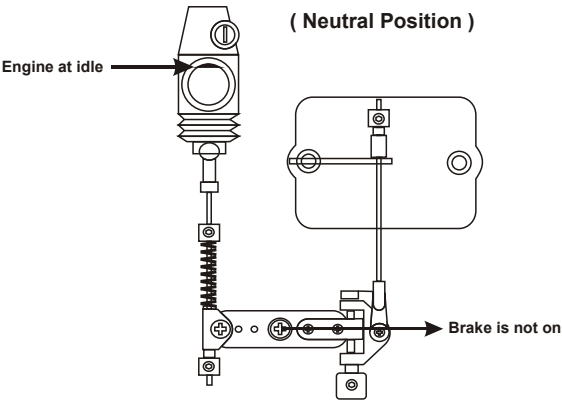
ASSEMBLY OF THE THROTTLE LINKAGE SYSTEM



ALIGN THROTTLE SERVO AND BRAKE SAME AS SHOWN

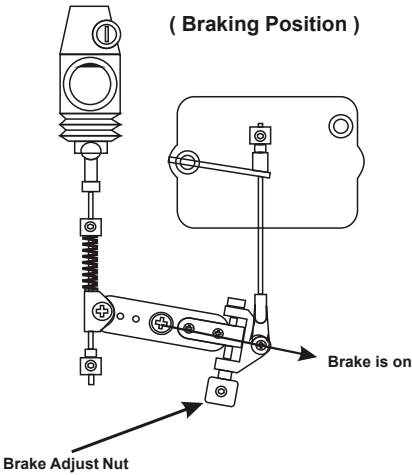
①

(Neutral Position)



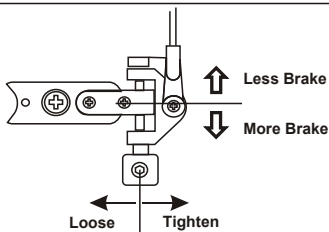
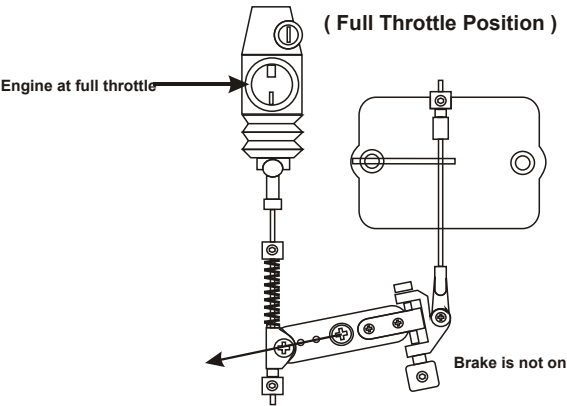
②

(Braking Position)



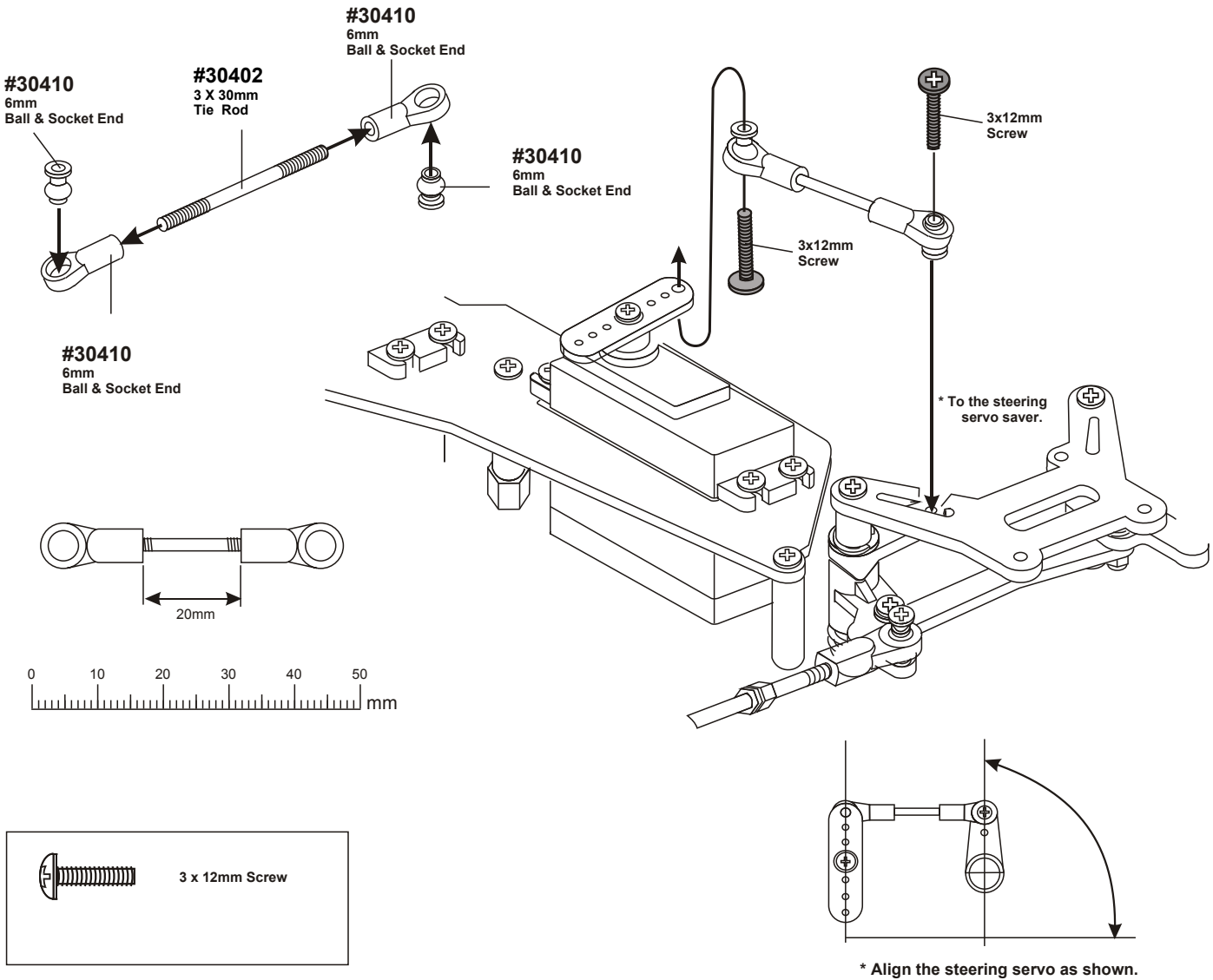
③

(Full Throttle Position)



* Tighten or loose the adjuster nut will change the brake.

ASSEMBLY OF THE FRONT STEERING ROD



ASSEMBLY OF THE TIRES, FOAM INSERTS AND WHEELS

#86044 - Red
#86045 - White
#86046 - Lime
#86047 - Yellow
17mm 5-Star Wheels

#86091
Mini XX- Pin Tire

Always use tire foam donut when building tires.

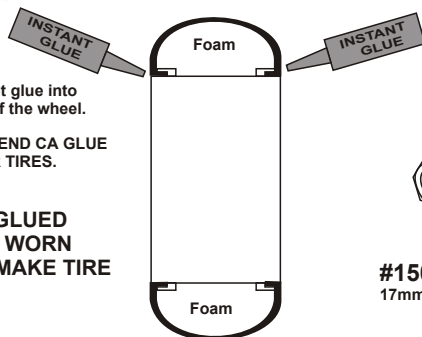


#81091 - Med/soft
#81092 - Med.

* Apply instant glue into the groove of the wheel.

WE RECOMMEND CA GLUE FOR RUBBER TIRES.

YOUR KIT COMES WITH PRE-GLUED TIRES, BUT WHEN TIRES ARE WORN YOU MUST REPLACE THEM. MAKE TIRE AND WHEEL SET AS SHOWN



#15071
17mm Wheel Nuts

#15071
17mm Wheel Nuts

Front Knuckle Arm Assembly

Rear Hub Assembly

#86044 - Red
#86045 - White
#86046 - Lime
#86047 - Yellow
#86048 - Black
#86049 - Chrome
17mm 5-Star Wheels,
Two (2) Pairs per bag.

STARTING OF THE ENGINE

How to start the engine:

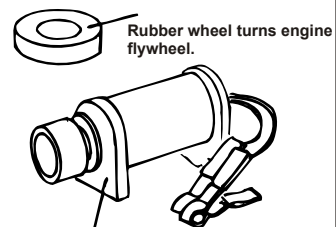
1. Turn on transmitter and then receiver.
2. Fill fuel tank with fuel bottle.
3. Connect 1.2V glow plug starter.
4. Start engine with 12V starter or starter box
(Note the direction of the starter.)
5. After the engine be started, remove the 1.2V glow plug starter.

* Follow the engine manufacturer instruction manuals regarding engine set-up, carburetor and maintenance.

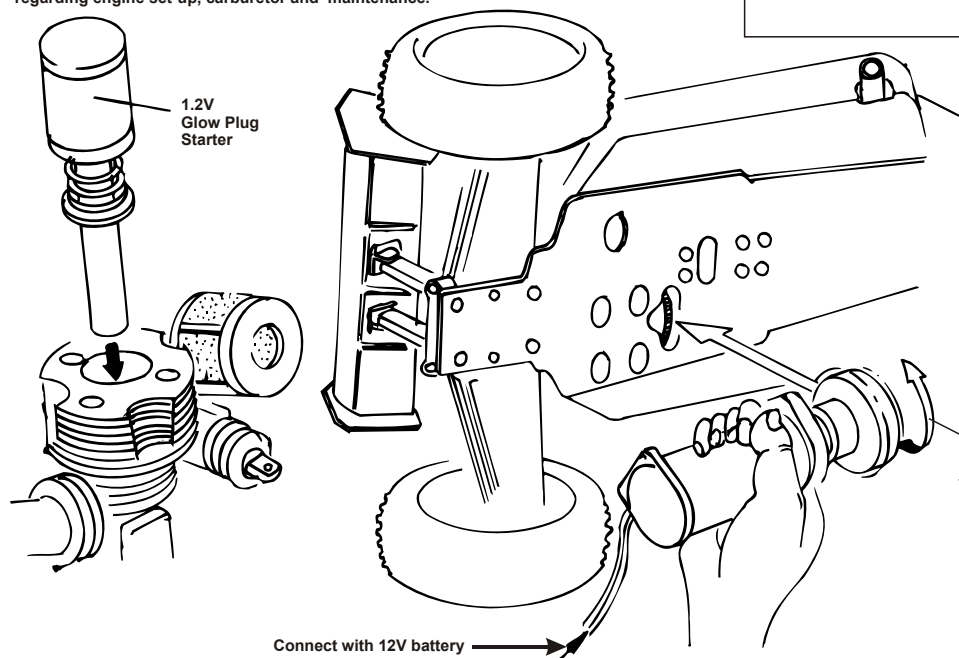
* To start the engine, use hand held starter motor or starter box.



#10250
Starter Box



12V Starter



* Note the direction of the starter.

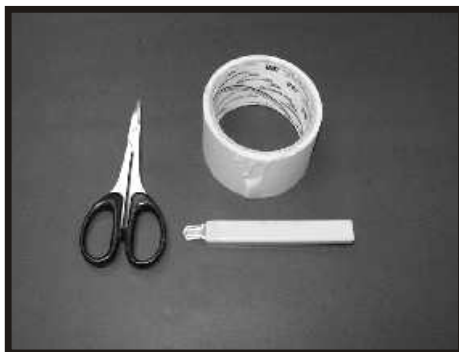
Connect with 12V battery

PAINTING TIPS

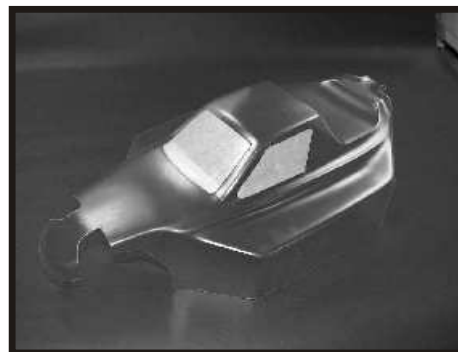
For BUGGY



STEP 1 Wash the inside of the body with detergent to remove any oil and dirt. Dry with lint free towel or a hair dryer. (Keep your hand clean.)



STEP 2 Tools required are: Curved scissor, hobby knife and a quality masking tape. These can be purchased at your local hobby supplier.



STEP 3 Use the curved scissors to trim the body to the guide lines provided on your body shell.



STEP 4 Use masking tape on the inside of the body to mask out your design and windows prior to painting. Press down the edges!



STEP 5 Paint the inside of the body! Use a spray color suitable for polycarbonate. (Paint the darkest color first.)



STEP 6 Allow the paint to dry for at least an hour! Remove the masking tape and protection film from the outside of the body.



STEP 7 Apply the decals to the outside of the body. We suggest use a hobby knife to cut them out.

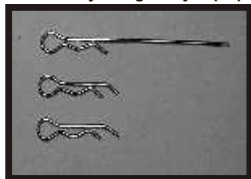


STEP 8 Use a hobby knife to cut holes for the fuel tank, engine and antenna tube. Make two 7mm holes for the body posts; one at the front and one at the rear.



STEP 9 Drill two 7mm holes in nylon wing. Using the measurements provided in the instruction. Use the clip provided to secure the wing to the wing mount posts.

STEP 10 Mounting the body to the buggy using the body using body clips provided.

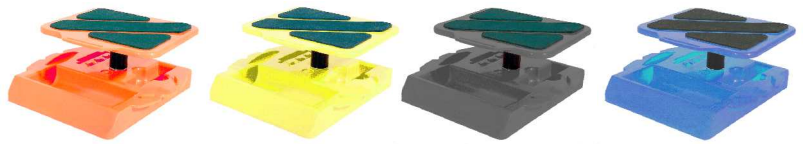


Factory Body Shown
36830
U.S. Body, in kit
36831

ENGINE BREAK-IN AND TUNNING

(BREAK-IN THE ENGINE BEFORE DRIVING THE CAR!)

- Choose a wide clear outdoor location with low dirt and dust.
- Set the car on box or holder with wheels off the ground.
- Turn on radio and car. Make sure throttle is at idle position.
- Fill fuel tank and set master engine needle.
- Prime fuel line and Heat glow plug before pull starting engine.
- When started, let engine fast idle for two tanks of fuel.



OPTIONAL OFNA CAR STANDS



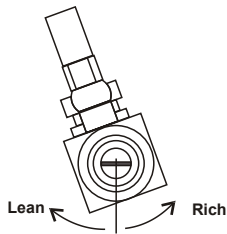
WOOD BLOCK

TUNING AFTER BREAK-IN

Close master needle by turning clockwise until it stops. Then open needle by turning counterclockwise 3 turns (rich setting).



Adjust low end needle for best throttle response. Use only small turns. From idle, give it full throttle, if throttle is slow lean out needle until good.



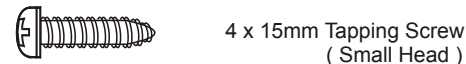
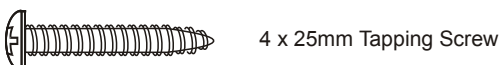
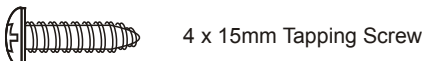
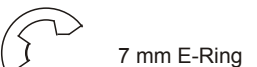
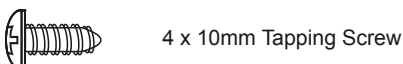
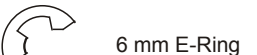
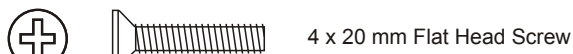
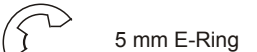
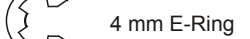
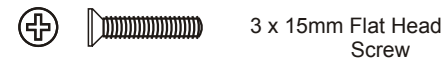
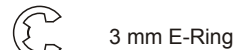
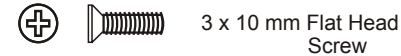
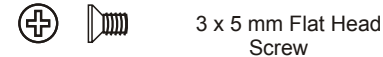
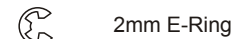
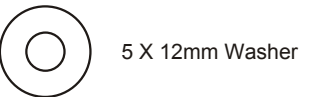
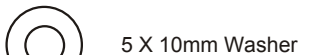
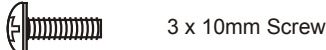
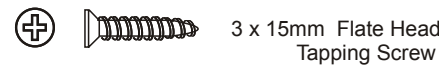
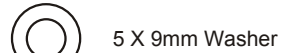
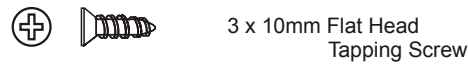
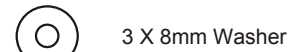
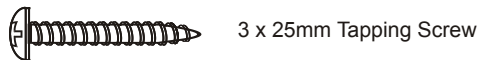
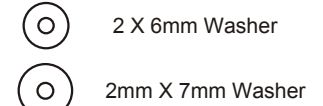
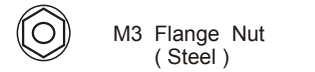
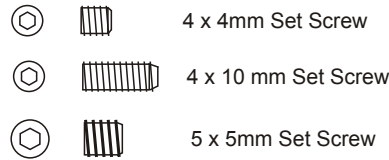
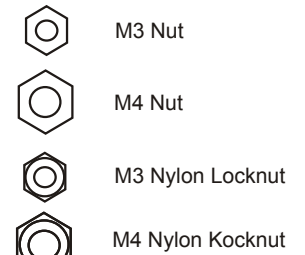
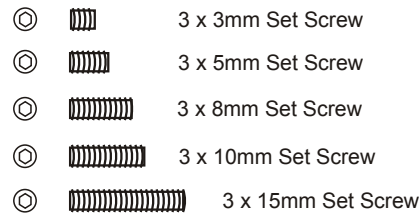
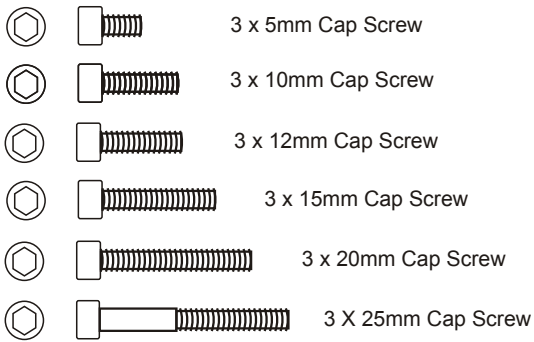
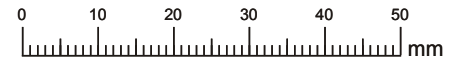
When running car, adjust carb with 1/8 clockwise turns, slowly leaner, until the top speed good. Check engine temp, if possible, for no more 250 degrees.



Adjust barrel stop so it will not close, except for a small gap. This gap will be the idle setting. You will notice the idle will increase with a wide gap.



1:1 SCREW SHEET



OPERATING YOUR MODEL SAFELY

Before Running

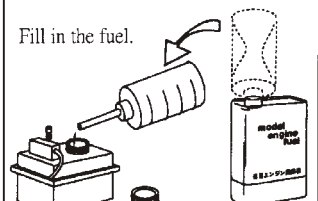
Your radio control model can move at high speed and therefore can cause injury to people or damage to property. It is your responsibility to operate your model safely.

For radio equipment, refer to the manual included with the radio.

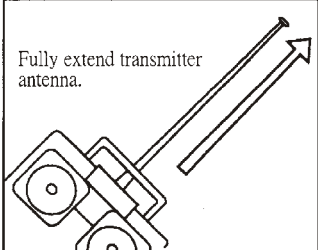
Check that all screws and nuts are tight.

If the model begins to operate by itself, there is someone else on your frequency. Do not try to operate your model under these conditions for it may go out of control.

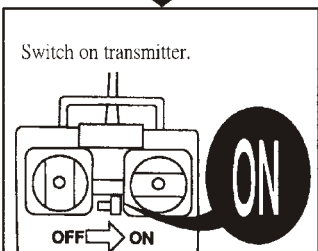
Fill in the fuel.



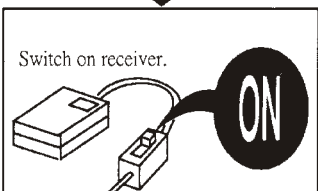
Fully extend transmitter antenna.



Switch on transmitter.



Switch on receiver.

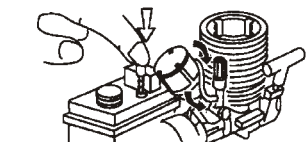


Enging Start-up

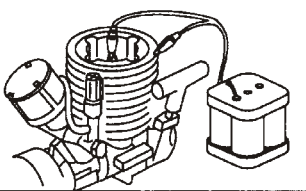
For engine use, refer to the manual included with the engine.



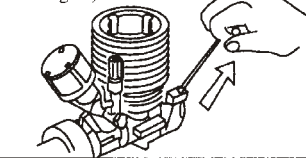
To prime the engine with fuel, press down the primer button.



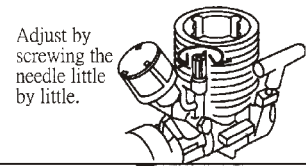
Attach one clip to the glow plug's end and the other clip to one of the cylinder cooling fins.



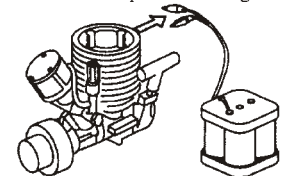
Quickly pull the starter rope (to start the engine).



Adjust by screwing the needle little by little.

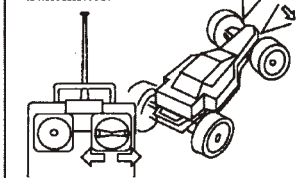


Remove the clips from the engine.

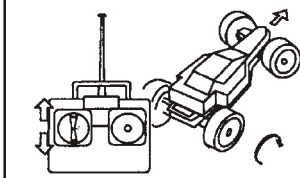


While Running

Check that the model turns in proportion to the amount you move the steering control of the transmitter.

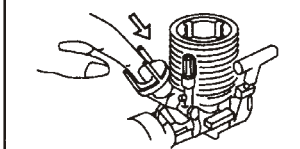


Check that the speed of the model changes in proportion to the amount you move the speed control of the transmitter.

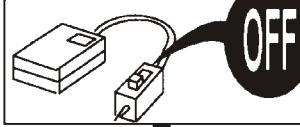


After Running

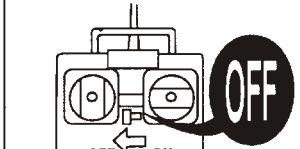
By pushing with your fingers the air cleaner, interrupt the engine



Switch off receiver.



Switch off transmitter.



Proper maintenance extends the life of the model.

Use genuine parts.

Cautions for Safety

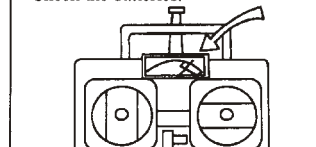
Do not run your model through water. This may cause rust or electrical problems.



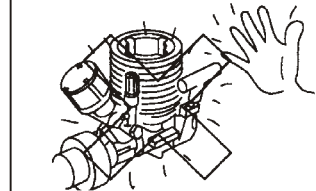
If model does not operate correctly stop it and find the cause.



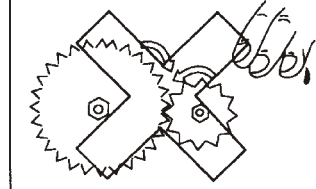
Check the batteries.



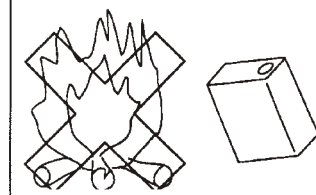
After each run, the model is hot. Beware of getting burned.



Keep hands and tools away from moving parts.



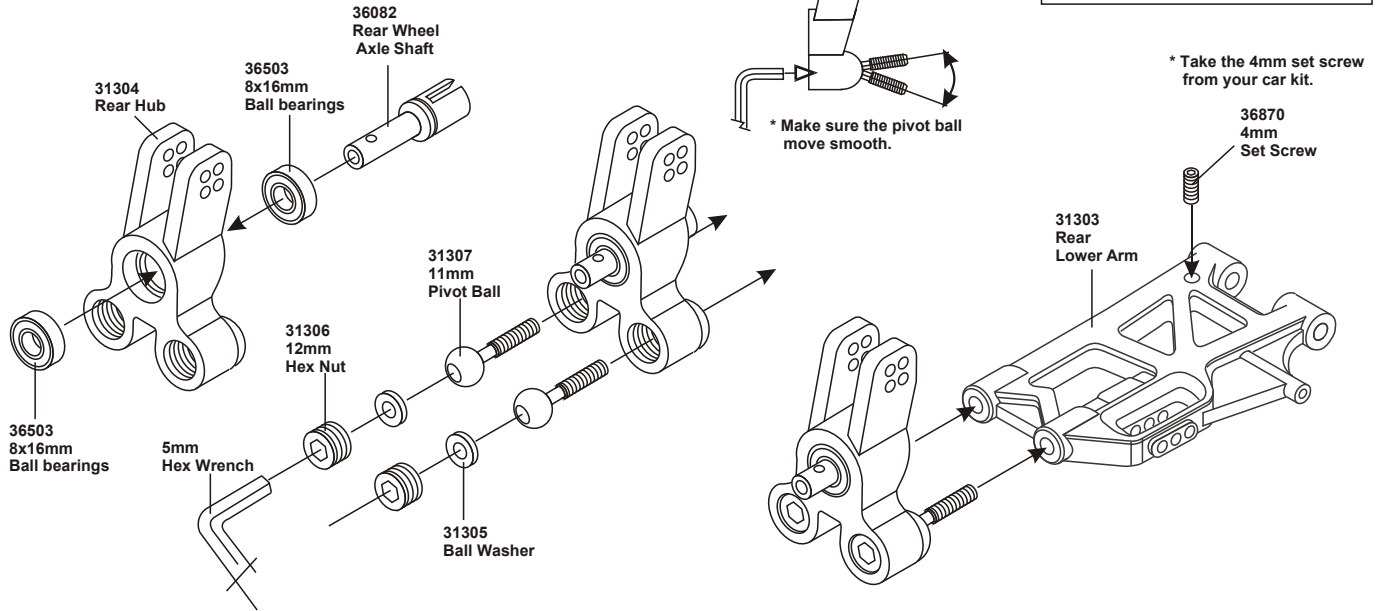
Never throw burning, gleaming or smouldering things into fuel cans even if these happen to be empty. This is very dangerous to life! I!



#31296 Rear Pivot Ball Suspension System, Buggies

(Available For: 1/8 Scale Buggy-Ultra GT LX, Ultra MBX & MBX +, Worlds, Worlds II)

ASSEMBLY OF THE REAR HUB



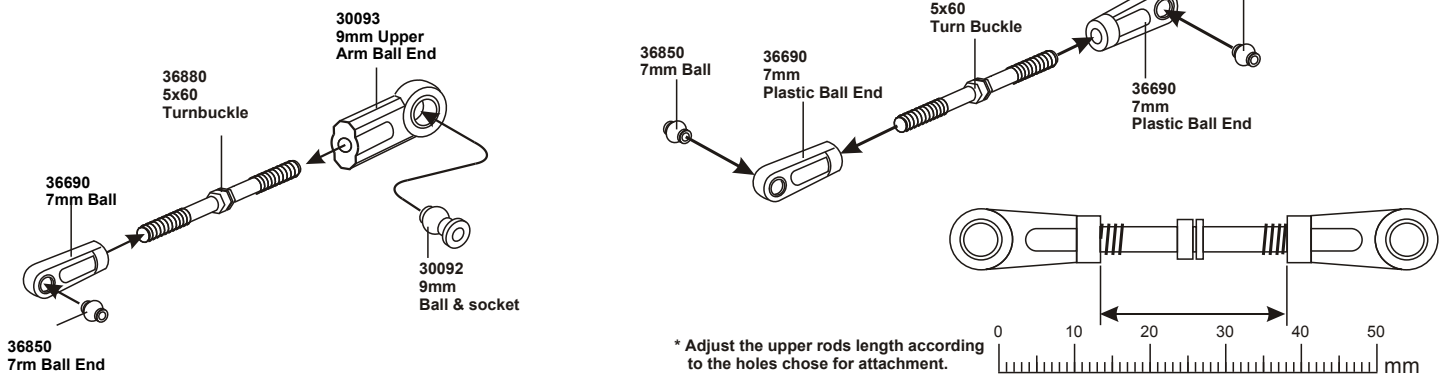
ASSEMBLY OF THE REAR UPPER ROD

(Builds 2 upper rods for the left and right-hand side.)

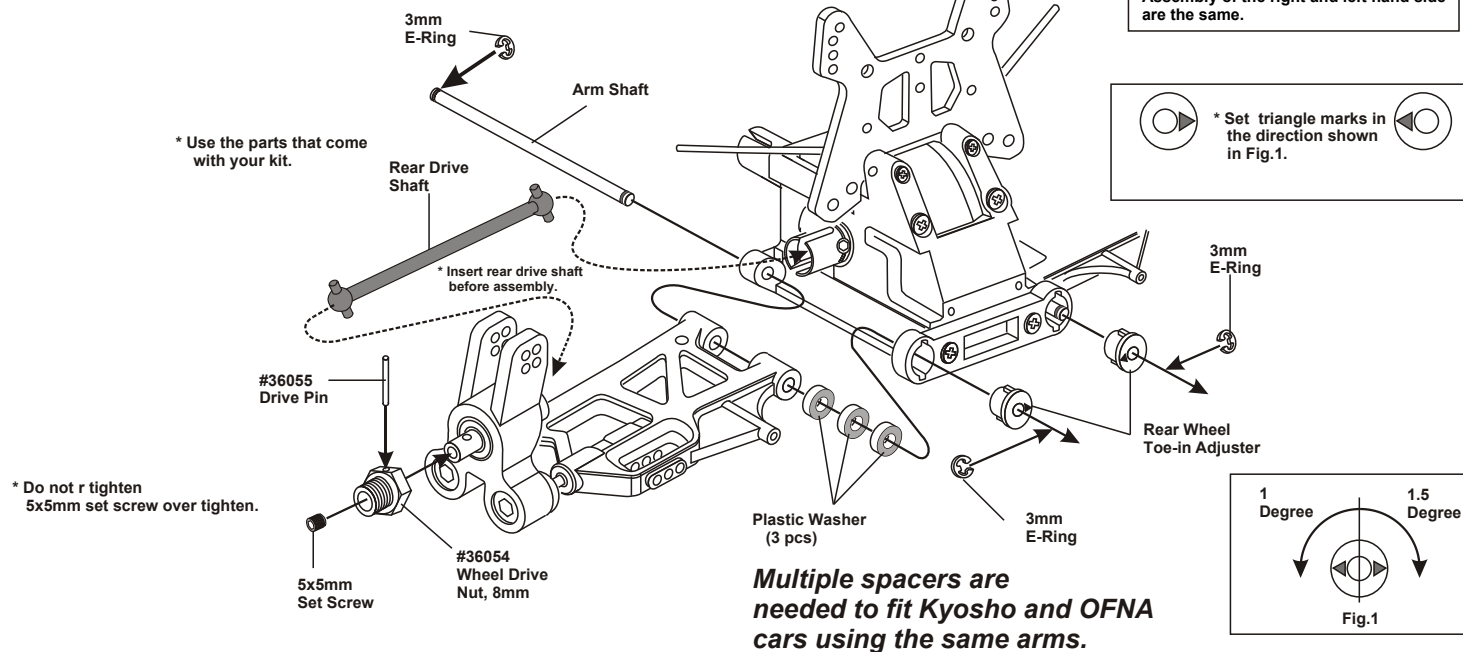
For: Ultra GT LX and Ultra MBX, use 30093 and 30092 from your car.

For: Ultra Worlds, use 30093 and 30092 parts from this kit.

For: Ultra Worlds II, remain the upper rod as shown.

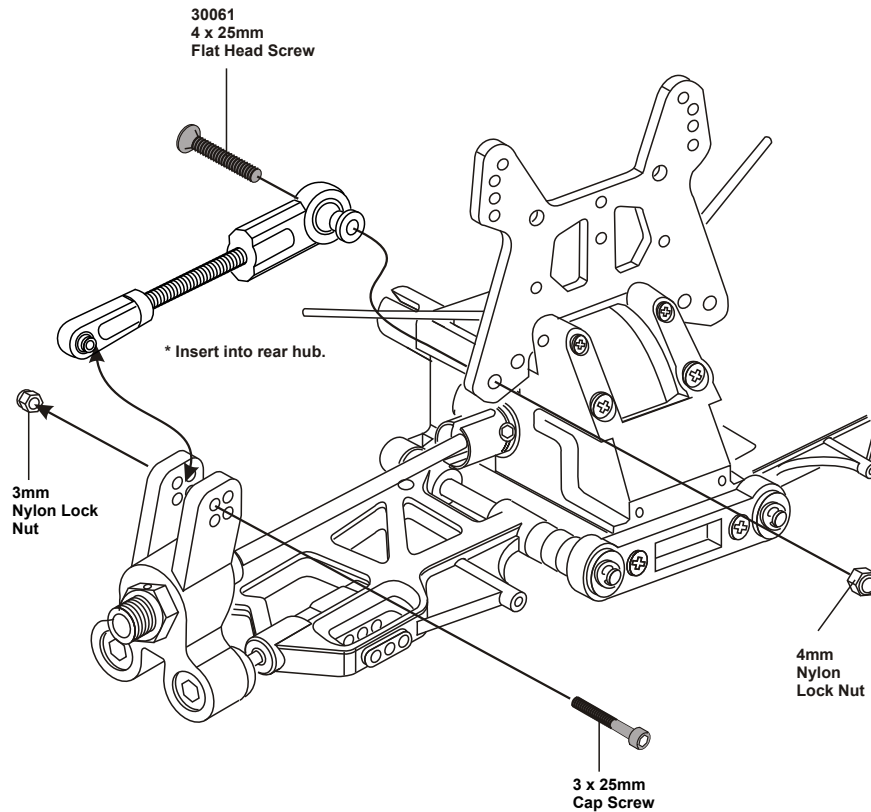


ASSEMBLY OF THE SUSPENSION ARMS INTO REAR GEAR BOX



ASSEMBLY OF THE UPPER ROD INTO GEAR BOX

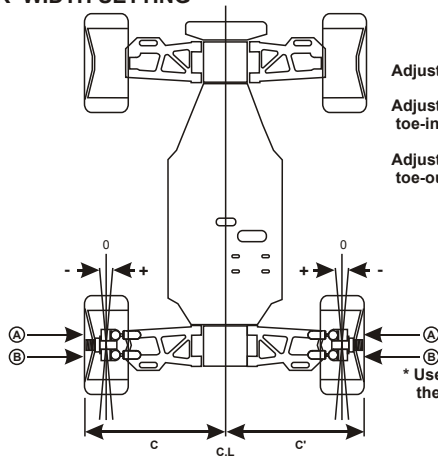
Assembly of the right and left hand side are the same.



ASSEMBLE THE FRONT AND REAR GEAR BOX ONTO CHASSIS AS USUAL.

SETTING GUIDE

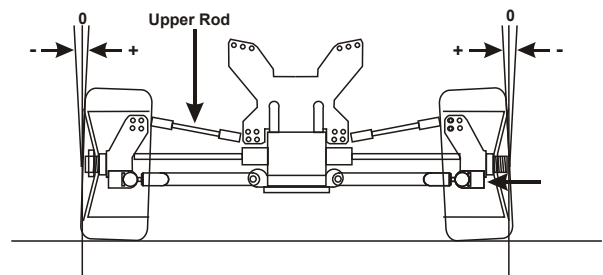
REAR WIDTH SETTING



REAR CAMBER SETTING

The rear camber adjustment can be made by changing the length of the upper rod.

Making the upper rod longer will make the camber positive. Making the upper rod shorter will make the camber negative.



PARTS LIST

Item No.	Description	Qty
#36082	Rear Wheel Axle Shaft	2 pcs
#31303	Rear Lower Arm	1 set
#31304	Rear Hub (Pivot Ball Type)	2 pcs
#31305	Ball Washer	4 pcs
#31306	Alum. Hex Nut	4 pcs
#36054	Wheel Drive Nut	2 pcs
#36503	8x16x5mm Ball bearings	8 pcs
#36055	2.5x17mm Drive Pin	4 pcs
#34010	9mm Upper Arm Ball End	2 pcs
#30092	9mm Ball and Socket	2 pcs

Item No.	Description	Qty
#31307	Pivot Ball	2 pcs
#36890	Front Lower Arm	1 set
#36690	7mm Ball End	4 pcs
#36850	7mm Ball	4 pcs
#36880	5X60 Turnbuckle	2 pcs